C. JAMES & ASSOCIATES, INC.
"Protecting America's Resources"

Mailing Address
PO Box 4832
Oceanside, California 92052-4832

(760) 722-0050

October 16, 2019

01085_3q2019

Mr. John Ruppert
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California 92708

Third Quarter 2019
Groundwater Monitoring Report
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California
(OCHCA #96UT21)

Daniel Oliver
Professional Geologist No. 4781

Michael Anselmo
Engineering Manager

cc: Dan Weerasekera, Orange County Health Care Agency
Mr. Ken Williams, Santa Ana Regional Water Quality Control Board

October 16, 2019
17100 Euclid Street
OCHCA #96UT21

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DEFINITION OF ACRONYMS

AQMD	Air Quality Management District
BTEX	benzene, toluene, ethylbenzene and xylenes
CRWQCB	California Regional Water Quality Control Board
cfm	cubic feet per minute
DIPE	Diisopropyl Ether
ETBE	Ethyl-tert-butyl ether
in/Hg	inches of mercury column
in/H_2O	inches of water column
in. WC	inches of water column
MCL	maximum contaminant level
mg/Kg	milligrams per Kilogram
mg/L	milligrams per liter
MTBE	Methyl-tert-butyl ether
OCHCA	Orange County Health Care Agency
PCE	tetrachloroethene; tetrachloroethylene
ppb	parts per billion
ppm	parts per million
ppbV	parts per billion by volume
ppmV	parts per million by volume
pvc	polyvinyl chloride
ROI	radius of influence
SVE	Soil Vapor Extraction system
TAME	t-Amyl Methyl Ether
TBA	tertiary Butyl Alcohol
TCE	trichloroethane; trichloroethylene
TPHg	Total Petroleum Hydrocarbons (as gasoline)
USTs	Underground Storage Tanks
ug/Kg	micrograms per Kilogram
ug/L	micrograms per liter
VOC	volatile organic compound

October 11, 2019
Fountain Valley Regional Hospital
17100 Euclid Street, Fountain Valley, California
OCHCA Case #96UT21

1.0 INTRODUCTION

C. James and Associates, Inc. (CJA) has prepared the following report that presents the results of groundwater monitoring and sampling operations conducted (September 27, 2019) during the Third Quarter of 2019 at Fountain Valley Regional Hospital, 17100 Euclid Street, Fountain Valley, California. A Site Vicinity Map is provided as **Plate P-1**, and locations of groundwater monitoring wells and other site features are shown on **Plate P-2**.

The objectives of the current work were to: a) record the depth to groundwater, b) check for the presence of free product, and c) analyze groundwater samples from the existing groundwater monitoring wells at the subject property.

The Orange County Health Care Agency staff was notified on September 18, 2019 of the proposed sampling date.

2.0 BACKGROUND

2.1 Site Location and Use

The Fountain Valley Regional Hospital is located on the east side of Euclid Street, south of Warner Avenue, in Fountain Valley, California (**Plate P-1**). The investigation area is located in a paved parking area in the central portion of the hospital property, south of the Women and Children's Hospital and east of an Engineering Services Building (**Plate P-2**). Two diesel underground storage tanks (USTs) were formerly located in this portion of the property. An approximately 4,000-gallon diesel UST was removed in 1985, and an approximately 10,000-gallon diesel UST was removed in June 1996.

Land use in the vicinity of Fountain Valley Regional Hospital is a mixture of residential and commercial (office/retail) properties. The hospital is bounded to the west by Euclid Street and residential properties beyond, to the south by residential and office/retail properties, to the east by an assisted living facility and a medical office building, and to the north by Warner Avenue and residential properties and a retail center beyond. Land use in the site vicinity is illustrated on **Plate P-2**.

2.2 Release Description and Summary of Previous Work

In June 1996, a 10,000-gallon diesel UST was removed from the area east of the Engineering Services Building (**Plate P-3**). This UST was located approximately 30 feet east of a 4,000-gallon UST which was removed in 1985. Impacts to soil and groundwater in the area of the

10,000-gallon UST was encountered at the time of removal, and an unauthorized release case (Case #96UT21) was opened by the Orange County Health Care Agency (OCHCA). The former fuel system consisted of the 10,000-gallon diesel UST, two pumps, and in-ground piping which ran northerly to the Power Plant and Boiler located north of the USTs and pumps.

The UST excavation cavity was over-excavated, and petroleum hydrocarbon impacted soil was exported to an off-site disposal facility. In addition to soil disposal, petroleum hydrocarbon impacted groundwater was recovered from the excavation and disposed of. The excavation was subsequently partially backfilled with a concrete slurry due geotechnical requirements.

Environmental site assessment and mitigation operations have been conducted at the subject property since 1996. Assessment operations included the recovery of subsurface soil, groundwater, and soil vapor samples from a series of borings and monitoring wells installed at the site. Free product removal operations were conducted through a combination of hand bailing and extraction using a vacuum truck.

3.0 HYDROGEOLOGY AND GEOLOGY

3.1 Hydrogeology

Groundwater has been encountered beneath the site at depths ranging from approximately 7 to 10 feet below grade throughout the investigation period (**Table 1**). Calculated groundwater flow directions have been generally to the west.

The subject site is located in the East Coastal Plain Subarea of the Lower Santa Ana River Hydrologic Area in the Santa Ana River Hydrologic Unit. Groundwater in this area is designated for beneficial use for municipal and domestic supply, agricultural supply, industrial service supply, and industrial process supply. The Santa Ana River is located approximately 350 feet southeast of the release site, and beneficial uses of surfaces waters within Santa Ana River include contact and non-contact recreation, warm freshwater habitat, and wildlife habitat

3.2 Geology

The surface geology at the subject property is depicted on published geologic maps as recent alluvial deposits (California Division of Mines and Geology, *Geologic Map of California, Santa Ana Sheet*, 1966). Subsurface soils encountered during environmental site assessment operations conducted at the subject site consist primarily of silty clay/clayey silt from the ground surface to approximately 8 to 10 feet below. This silty clay/clayey silt layer is underlain by sandy clay.

4.0 GROUNDWATER MONITORING AND SAMPLING OPERATIONS

4.1 September 27, 2019 Monitoring and Sampling Event

On September 27, 2019, groundwater monitoring and sampling operations were performed on the existing groundwater monitoring wells (MW-1, MW-2, and MW-4 to MW-10) by Blaine Tech Services, Inc. The depth to groundwater and total well depth was measured utilizing an interface probe.. Free product was not detected in any of the gauged monitoring wells, however a thin sheen (0.02') was observed in groundwater monitoring well MW-10. The depth to groundwater ranged from 6.56 to 7.84 feet below TOC, and groundwater elevations ranged from 31.62 to 33.60 feet above msl.

Groundwater samples were recovered from the monitoring wells in disposable bailers. The bailers were visually examined for the presence of free product or a product sheen prior to transferring the samples into laboratory supplied sample containers. No visual evidence of free product was observed; however, a slight product sheen was observed on the groundwater sample obtained from well MW-10. Groundwater elevation and free product data are summarized in **Table 1**.

The groundwater sample containers (6 VOA's preserved with HCl) were immediately sealed, labeled, and placed in an ice filled cooler provided by Blaine Tech. Upon completion of sampling by Blaine Tech the samples were transferred from the Blaine Tech cooler to a cooler with ice provided by CJA. The samples were delivered by CJA to H&P Mobile Chemistry of Carlsbad, California following standard chain-of-custody procedures (Blaine Tech to CJA to H&P). The groundwater samples were analyzed for Total Petroleum Hydrocarbons in the gasoline (TPHg) and diesel (TPHd) hydrocarbon ranges by EPA Method LUFT TPH and for volatile organic compounds (VOCs), full scan, by EPA Method 8260B (to include oxygenates).

Field notes from the September 27, 2019 sampling event are provided in **Appendix A**.

5.0 RESULTS

5.1 Groundwater Elevation

The depth to groundwater on September 27, 2019 ranged from approximately 6.56 to 7.84 feet below top of casing (TOC), and groundwater elevations ranged from 31.62 to 33.60 feet above mean sea level (msl). The inferred groundwater flow direction in the investigation area is generally to the west**.** Groundwater elevation data are summarized in **Table 1** and are illustrated on **Plate P-3**.

5.2 Chemical Analyses

Analyses of groundwater collected from monitoring wells MW-1, 2, 4, 6, 7, and MW-9 indicated no detection for all analyses performed.

MW-8 indicated 17,00 ug/l Diesel (C12-C22) and 1.9 ug/l Napthalene

MW-10 indicated the following:

n-Butylbenzene 2.5 ug/l
Napthalene 13 ug/l
Diesel (C12-C22) 130,000 ug/l
Motor Oil (C23-C32) 2,200 ug/l
The heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range
Gasoline (C5-C12) 2,700 ug/l
Results in the gasoline range are primarily due to overlap from a diesel range product

Groundwater analytical results from the September 27, 2019 sampling event are summarized below and historical groundwater analytical results are summarized in **Table 1**.

October 11, 2019
Fountain Valley Regional Hospital
17100 Euclid Street, Fountain Valley, California
OCHCA Case #96UT21

Groundwater Analytical Results (ug/L) September 27, 2019						
Well ID	**Date**	**TPHd C12-22**	**TPHg C5-12**	**Benzene**	**Oxygenates***	**Naphthalene**
MW-1	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	<500	<500	<0.5	<1	<1
MW-2	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	8,200	<500	<0.5	<1	<1
MW-4	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	<500	<500	<0.5	<1	<1
MW-5	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	4,300	<500	<0.5	<1	<1
MW-6	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	<500	<500	<0.5	<1	<1
MW-7	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	<500	<500	<0.5	<1	<1
MW-8	09/27/19	17,000	<500	<0.5	<1	1.9
	06/26/19	<500	<500	<0.5	<1	<1

Groundwater Analytical Results (ug/L) September 27, 2019						
Well ID	**Date**	**TPHd C12-22**	**TPHg C5-12**	**Benzene**	**Oxygenates***	**Naphthalene**
MW-9	09/27/19	<500	<500	<0.5	<1	<1
	06/26/19	<500	<500	<0.5	<1	<1
MW-10	09/27/19	130,000	2,700*	<0.5	<1	13
	06/26/19	40,000	<500	0.65	<1	11
*** Results in the gasoline range are primarily due to overlap from a diesel range product** **TBA <5**						

The inferred distribution of dissolved phase TPHd in groundwater is illustrated on **Plate P-4**, and laboratory reports and chain of custody records are included in **Appendix B** of this report.

6.0 DISCUSSIONS

6.1 Onsite Sampling - September 27, 2019

1. Mr. Weerasekera of the OCHCA was present during groundwater monitoring well sampling (arrived at approximately 9:00am). Upon completion of sampling Mr. Weerasekera inquired as to the transport of samples to the laboratory - the samples were transported by CJA personnel to H&P Mobile Chemistry in Carlsbad, California.

   Upon completion of sampling, recovered samples were packed in separate plastic bags by Blaine Tech Personnel and transferred from the Blaine Tech cooler to a cooler provided by CJA.

   CJA personnel then removed barricades and caution tape to open parking spaces and restore the subject location to pre-sampling status (approximately 20 minutes).

While onsite Mr. Weerasekera phoned Blaine Tech offices directly to request they obtain a groundwater sample from well MW-10 (this well had already been sampled prior to Mr. Weerasekera arriving).

CJA is requesting that in future sampling events representatives from the County confer with onsite CJA personnel in requesting duplicate samples. A direct call to a subcontractor will constitute a contract with that subcontractor and the County and will be billed by the subcontractor accordingly.

7.0 SCHEDULE

1) A Work Plan to obtain confirmation soil samples and soil vapor sampling was submitted to the County on September 25, 2019

2) A level 4 data pack to be provided by the County for June 26, 2019 laboratory analyses has not been received.

3) There are no scheduled additional monitoring events .

8.0 REFERENCES

July 9, 2018	Second Quarter 2018 Groundwater Monitoring Report prepared by C. James & Associates, Inc
August 7, 2018	Summary Report and Request for Closure prepared by C. James & Associates, Inc
October 25, 2018	Summary Report and Request for Closure dated August 7, 2018 - Prepared by the Orange County Health Care Agency
January 11, 2019	Response to OCLOP Correspondence dated October 25, 2018 prepared by C. James & Associates, Inc
February 20, 2019	Updated Cumulative Summary Tables prepared by C. James & Associates, Inc.
April 30, 2019	Interoffice Memo - Fountain Valley Data review - prepared by California Water Boards
May 23, 2019	Closure Denial Review for Petroleum Underground Storage Tank Case prepared by the California Water Boards.
June 6, 2019	Closure Denial Review - Fountain Valley Regional Hospital prepared by Advanced Technology Laboratories.
June 21, 2019	Fountain Valley Data Review prepared by C. James & Associates, Inc
June 24, 2019	Closure Denial and Case Status prepared by the Orange County Health Care Agency
July 29, 2019	2nd Quarter 2019 - Groundwater Monitoring Report prepared by C. James & Associates, Inc
August 2, 2019	Addendum to 2nd Quarter 2019 Report prepared by C. James & Associates, Inc.
September 10. 2019	Second Quarter 2019 Groundwater Monitoring Report dated July 29, 2019 and Addendum Report dated August 2, 2019 prepared by OCHCA
September 25, 2019	Work Plan for Soil and Soil Vapor Assessment prepared by C. James & Associates, Inc.

TABLES

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-1	5-20	37.03	06/18/97	7.49	29.54	0.00	<200	--	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/19/97	8.09	28.94	0.00	<200	120	1.1	9.1	0.62	1.8	---	0.67
		37.40	12/12/97	7.89	29.51	0.00	<200	300	<0.5	<0.5	<0.5	<0.5	---	320
			03/19/98	6.59	30.81	0.00	<200	120*	<0.5	<0.5	<0.5	<0.5		2.0
			06/18/98	7.59	29.81	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/22/98	7.45	29.95	0.00	----	1,400	6.7	72	33	271	---	2.7
			10/02/98	---	---	0.00	<200	----	----	----	----	----	---	----
			12/28/98	7.81	29.58	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/15/99	7.65	29.75	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/15/99	7.50	29.90	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
		39.26	09/30/99	8.30	30.96	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			12/14/99	8.54	30.72	0.00	<50	100	<0.5	2.74	1.20	6.72	---	<0.5
			03/14/00	7.95	31.31	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	8.11	31.15	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/13/00	8.61	30.65	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			12/11/00	8.52	30.74	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-1	5-20	39.26	03/07/01	7.36	31.90	0.00	<200	<200	1.4	<0.5	<0.5	0.56	---	<0.5
			05/17/01	7.26	32.00	0.00	<200	<200	<0.5	<0.5	<0.5	<1	---	<0.5
			08/16/01	7.82	31.44	0.00	<200	----	----	----	----	----	---	----
			10/10/01	8.34	30.92	0.00	<200	----	----	----	----	----	---	----
			01/02/02	8.48	30.78	0.00	<1000	—	—	—	—	—	---	—
			04/25/02	8.46	30.80	0.00	230	—	—	—	—	—	---	—
			07/11/02	8.68	30.58	0.00	<200	—	—	—	—	—	---	---
			10/09/02	10.37	28.89	0.00	<1000	—	—	—	—	—	---	—
			01/03/03	10.04	29.22	0.00	<1000	—	—	—	—	—	---	—
			04/16/03	9.08	30.18	0.00	<1000	—	—	—	—	—	---	—
			07/18/03	8.56	30.70	0.00	<1000	—	—	—	—	—	---	—
			10/07/03	8.62	30.64	0.00	<1000	—	—	—	—	—	---	---
		39.46	02/18/04	9.74	29.72	0.00	<1000	—	—	—	—	—	---	---
			04/14/04	9.56	29.90	0.00	<1000	—	—	—	—	—	---	—
			08/04/04	8.54	30.92	0.00	<1000	—	—	—	—	—	---	—
			11/09/04	8.93	30.53	0.00	<1000	—	—	—	—	—	---	---

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-1	5-20	39.46	02/09/05	7.44	32.02	0.00	<1000	—	—	—	—	—	---	---
			05/10/05	7.34	32.12	0.00	<1000	—	—	—	—	—	---	---
			08/16/05	7.88	31.58	0.00	<1000	—	—	—	—	—	---	---
			11/03/05	8.50	30.96	0.00	<1000	—	—	—	—	—	---	---
			02/22/06	8.02	31.44	0.00	<1000	---	—	—	—	—	---	—
			06/05/06	8.54	30.92	0.00	<1000	----	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	7.97	31.49	0.00	<1000	—	—	—	—	—	---	—
			11/30/06	8.20	31.26	0.00	<1000	---	---	---	---	---	---	---
			03/02/07	8.11	31.35	0.00	<1000	---	---	---	---	---	---	---
			06/11/07	8.25	31.21	0.00	<1000	---	---	---	---	---	---	—
			09/18/07	8.75	30.71	0.00	<1000	---	---	---	---	---	---	—
			03/20/08	8.07	31.39	0.00	<1000	---	---	---	---	---	---	—
			06/10/08	8.20	31.26	0.00	<1000	---	---	---	---	---	---	—
			09/11/08	8.71	30.75	0.00	<1000	---	---	---	---	---	---	—
			12/17/08	---	---	0.00	Sampling Discontinued						---	
			06/23/10	8.01	31.45	0.00	<1000	---	---	---	---	---	---	—

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-1	5-20	39.46	09/16/10	8.16	31.30	0.00	<1000	---	---	---	---	---	---	---
			12/15/10	8.07	31.39	0.00	<1000	---	---	---	---	---	---	---
			03/25/11	7.26	32.20	0.00	<1000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/23/10	7.62	31.84	0.00	<1000	---	---	---	---	---	---	---
			09/19/11	7.76	31.70	0.00	<1000	---	---	---	---	---	---	---
			12/16/11	7.79	31.67	0.00	<1000	---	---	---	---	---	---	---
			03/20/12	7.62	31.84	0.00	<1000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	7.65	31.81	0.00	<1000	---	---	---	---	---	---	---
			09/25/12	7.92	31.54	0.00	<1000	---	---	---	---	---	---	---
			12/19/12	7.94	31.52	0.00	<1000	---	---	---	---	---	---	---
			03/20/13	7.92	31.54	0.00	<1000	---	---	---	---	---	---	---
			06/13/13	8.05	31.41	0.00	<1000	---	---	---	---	---	---	---
			09/16/13	8.16	31.30	0.00	<1000	---	---	---	---	---	---	---
		39.26	12/20/13	8.35	31.11	0.00	<1000	---	---	---	---	---		---
			06/21/18	8.72	30.74	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	<10	<0.5
			06/26/19	7.84	31.62	0.00	<500	<500	<0.5	<0.5	<0.5	<0.5	<1	<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-1	5-20	39.26	09/27/19	8.12	31.14	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW-2	5-20	36.67	06/18/97	10.48	26.19	3.50								
			09/19/97	---	---	3.20								
		36.58	12/12/97	—	---	2.90								
			03/19/98	6.52	30.06	0.10								
			04/01/98	---	---	---	1,000,000	1,200	----	----	----	----	---	----
			06/18/98	5.95	30.63	0.00	Not Sampled							
			09/22/98	6.13	30.45	0.10	Not Sampled							
			12/28/98	6.61	29.97	0.30	Not Sampled - Free Product							
			03/15/99	6.53	30.05	0.30	Not Sampled - Free Product							
			06/15/99	7.57	29.01	0.30	Not Sampled - Free Product							
		38.62	09/15/99	8.10	30.52	2.67	---	---	---	---	---	---	---	---
			12/14/99	8.35	30.27	0.50	1,120	1,160	<0.5	7.41	43.5	104.3	---	<0.5
			03/14/00	6.84	31.78	0.33	351,000	1,800	0.8	<0.5	1,4	<0.5	---	4.8

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-2	5-20	38.62	06/14/00	7.35	31.27	0.00	325,000	2,400	<0.5	0.5	3.7	1	---	3.5
			09/13/00	7.85	30.77	2.00	1,860,000	3,300	0.58	<0.5	5.4	4.7	---	---
			12/11/00	8.32	30.30	0.58	1,800,000	2,200	<0.5	<0.5	1.9	0.89	---	1.6
			03/07/01	6.81	31.81	0.29	2,600,000	1,800	0.58	<0.5	1.8	3.2	---	3.8
			05/17/01	7.14	31.48	0.33	300,000	820	0.89	7.1	5.4	43	---	27
			08/16/01	7.32	31.30	0.06	17,000,000	----	----	----	----	----	---	----
			10/10/01	7.56	31.06	0.29	60,000	—	—	—	—	—	---	—
			01/02/02	7.74	31.88	0.15	6,600,000	—	—	—	—	—	---	—
			04/25/02	7.52	31.10	0.06	2,500,000	—	—	—	—	—	---	—
			07/11/02	8.26	30.36	0.04	4,900,000	—	—	---	—	—	---	—
			10/09/02	9.74	28.88	0.01	9,200,000	—	—	—	—	—	---	—
			01/03/03	9.56	29.06	0.50	10,000 mg/L	—	—	—	—	—	---	---
			04/16/03	9.06	29.56	0.29	220,000	—	—	—	—	—	---	---
			07/18/03	8.44	30.18	0.23	130,000	—	—	—	—	—	---	—
			10/07/03	9.12	29.58	0.16	76,000	—	—	—	—	—	---	—

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-2	5-20	38.62	02/18/04	8.78	29.92	0.05	32,000	—	—	—	—	—	---	—
			04/14/04	8.68	30.02	0.00	16,000	—	—	—	—	—	---	—
			08/04/04	8.66	30.04	0.00	300,000	—	—	—	—	—	---	—
			11/09/04	8.70	30.00	0.00	340,000	—	—	—	—	—	---	---
			02/09/05	7.38	31.32	0.00	50,000	—	—	—	—	—	---	---
			05/10/05	7.36	31.34	0.00	30,000	—	—	—	—	—	---	---
			08/16/05	7.82	30.88	0.00	35,000	—	—	—	—	—	---	---
			11/03/05	8.48	30.22	0.00	18,000	—	—	—	—	—	---	---
			02/22/06	7.80	30.90	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	6.58	32.12	0.00	26,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	7.15	31.55	0.00	3,400	—	—	—	—	—	---	—
			11/30/06	7.38	31.32	0.00	2.,000	—	—	—	—	—	---	—
			03/02/07	7.25	31.45	0.00	4,300	---	---	---	---	---	---	---
			06/11/07	7.40	31.30	0.00	5,000	---	---	---	---	---	---	—
			09/18/07	8.05	30.65	0.00	5,200	---	---	---	---	---	---	—
			03/20/08	7.27	31.43	0.00	92,000	---	---	---	---	---	---	—

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-2	5-20	38.62	06/10/08	7.44	31.26	0.00	85,000	---	---	---	---	---	---	—
			09/11/08	7.87	30.83	0.00	66,000	---	---	---	---	---	---	—
			12/17/08	7.98	30.72	0.00	29,000	---	---	---	---	---	---	—
			03/19/09	7.32	31.38	0.00	28,000	—	—	—	—	—	---	---
			06/18/09	7.15	31.55	0.00	11,000	—	—	—	—	—	---	---
			09/18/09	8.08	30.62	0.00	8,300	—	—	—	—	—	---	---
			12/17/09	8.07	30.63	0.00	6,400	---	---	---	---	---	---	---
			03/30/10	7.00	31.70	0.00	8,000	---	---	---	---	---	---	---
			06/23/10	6.71	31.99	0.00	3,600	---	---	---	---	---	---	—
			09/16/10	7.35	31.35	0.00	3,500	---	---	---	---	---	---	---
			12/15/10	6.95	31.75	0.00	5,200	---	---	---	---	---	---	---
			03/25/11	6.38	32.32	0.00	6,400	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/23/11	6.70	32.00	0.00	4,600	---	---	---	---	---	---	---
		38.70	09/19/11	6.90	31.80	0.00	4,800	---	---	---	---	---	---	---
			12/16/11	6.90	31.80	0.00	6,800	---	---	---	---	---	---	---
			03/20/12	6.75	31.95	0.00	6,800	---	<0.5	<0.5	<0.5	<0.6	---	<1

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-2		38.70	06/27/12	6.79	31.91	0.00	3,600	---	---	---	---	---	---	---
			09/25/12	7.06	31.64	0.00	3,100	---	---	---	---	---	---	---
			12/19/12	7.10	31.60	0.00	2,900	---	---	---	---	---	---	---
			03/20/13	7.01	31.69	0.00	1,700	---	---	---	---	---	---	---
			06/13/13	7.20	31.50	0.00	2,200	---	---	---	---	---	---	---
			09/16/13	7.58	31.12	0.00	1,800	---	---	---	---	---	---	---
			12/20/13	7.51	31.19	0.00	2.,000	---	---	---	---	---	---	---
			06/21/18	7.88	30.82	0.00	2,600	<50	<0.5	<0.5	<0,.5	<1.5	<10	<0.5
			06/26/19	6.95	31.75	0.00	8,200	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	7.42	31.28	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5

MW-3	5-20	36.92	06/18/97	7.12	29.80	0.00	<200	--	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/19/97	7.76	29.16	0.00	<200	140	0.74	7.8	<0.5	1.2	---	1.1
		36.90	12/12/97	7.44	29.46	0.00	1,400*	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/19/98	6.15	30.75	0.00	590	170*	<0.5	<0.5	<0.5	<0.5	---	<0.5

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Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-3	5-20	36.90	06/18/98	6.40	30.50	0.00	600*	<50	<0.5	<0.5	<0.5	<0.5	---	0.7
			09/22/98	7.16	29.74	0.00	----	100	<0.5	1.6	0.8	6.3	---	<0.5
			10/02/98	---	---	0.00	700	----	----	----	----	----	---	----
			12/28/98	7.31	29.59	0.00	400	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/15/99	7.30	29.60	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/15/99	7.50	29.40	0.00	300	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
		39.00	09/15/99	---	---	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			09/30/99	9.00	30.00	0.00							---	
			12/14/99	8.13	30.87	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			03/14/00	7.55	31.45	0.00	300	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	7.76	31.24	0.00	400	<200	<0.5	<0.5	<0.5	<0.5	---	1.1
			09/13/00	8.29	30.71	0.00	200	<200	<0.5	<0.5	<0.5	<0.5	---	---
			12/11/00	8.17	30.83	0.00	300	<200	<0.5	<0.5	<0.5	<0.5	---	1.0
			03/07/01	6.88	32.12	0.00	550	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			05/17/01	6.96	32.04	0.00	770	200	<0.5	<0.5	<0.5	<1	---	<0.5
			08/16/01	7.44	31.56	0.00	530#	—	—	—	—	—	---	—

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-3	5-20	39.00	10/10/01	8.02	30.98	0.00	250	—	—	—	—	—	---	----
			01/02/02	8.08	30.92	0.00	<1,000	—	—	—	–	—	---	---
			04/29/02	8.01	30.99	0.00	<200	—	—	—	—	—	---	---
		38.96	07/11/02	8.38	30.62	0.00	<200	—	—	—	—	—	---	---
			10/09/02	10.21	28.79	0.00	<1,000	—	—	—	—	—	---	—
			01/03/03	9.76	29.24	0.00	<1,000	—	—	—	—	—	---	—
			04/16/03	9.08	29.92	0.00	<1,000	—	—	—	—	—	---	—
			07/18/03	8.28	30.72	0.00	<1,000	—	—	—	—	—	---	—
			10/07/03	9.20	29.80	0.00	<1,000	—	—	—	—	—	---	—
			02/18/04	9.44	29.56	0.00	<1,000	----	—	—	—	—	---	—
			04/14/04	9.26	29.74	0.00	<1,000	—	—	—	—	—	---	---
			08/04/04	8.78	30.22	0.00	<1,000	—	—	—	—	—	---	—
			11/09/04	8.74	30.26	0.00	<1,000	—	—	—	—	—	---	---
			02/09/05	7.40	31.60	0.00	<1,000	—	—	—	—	—	---	---
			05/10/05	7.40	31.60	0.00	<1,000	—	—	—	—	—	---	---
			08/16/05	7.80	31.20	0.00	<1,000	—	—	—	—	—	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-3	5-20	38.96	11/03/05	8.44	30.56	0.00	<1,000	—	—	—	—	—	---	---
			02/22/06	7.90	31.10	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	7.04	31.96	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	7.57	31.43	0.00	<1,000	—	—	—	—	—	---	—
			11/30/06	7.43	31.57	0.00	<1,000	—	—	—	—	—	---	—
			03/02/07	7.62	31.38	0.00	<1,000	---	---	---	---	---	---	---
			06/11/07	7.76	31.24	0.00	<1,000	---	---	---	---	---	---	—
			09/18/07	8.41	31.59	0.00	<1,000	---	---	---	---	---	---	—
			03/20/08	Well Destroyed during Site Renovations									---	
MW-4	5-20	38.86	12/12/97	7.21	29.65	0.00	500*	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/19/98	5.95	30.91	0.00	100	90*	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/18/98	6.12	30.74	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
		38.93	09/22/98	6.87	29.99	0.00	----	100	<0.5	1.3	0.5	2.2	---	2.2
			10/02/98	---	---	0.00	<200	----	----	----	----	----	---	----
			12/28/98	7.13	29.73	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-4	5-20	38.93	03/15/99	6.95	29.91	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/15/99	7.00	29.86	0.00	1,680,000	3,400##	1.5	3.0	23	56	---	6.4
			09/15/99	7.70	31.23	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			12/14/99	7.93	31.00	0.00	<50	110	<0.5	<0.5	13.9	1.47	---	<0.5
			03/14/00	7.35	31.58	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	7.50	31.43	0.00	300	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/13/00	8.00	30.93	0.00	<200	<200	<0.5	<0.5	<0.5	0.5	---	---
			12/11/00	7.90	31.03	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/07/01	6.72	32.21	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			05/17/01	6.64	32.29	0.00	<200	<200	<0.5	<0.5	<0.5	<1	---	<0.5
			08/16/01	7.16	31.77	0.00	610	—	—	—	—	—	---	—
			10/10/01	7.62	31.31	0.00	<200	----	----	----	----	----	---	----
			01/02/02	7.82	31.11	0.00	<1 000	—	—	—	—	—	---	---
			04/25/02	7.64	31.29	0.00	850	—	—	—	—	—	---	—
			07/11/02	8.08	30.85	0.00	<200	—	—	—	—	—	---	---
			10/09/02	9.76	29.17	0.00	<1000	—	—	—	—	—	---	—

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Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-4	5-20	38.93	01/03/03	9.38	29.55	0.00	<1,000	—	—	—	—	—	---	—
			04/16/03	8.44	30.49	0.00	<1,000	—	—	—	—	—	---	—
			07/18/03	8.28	30.65	0.00	<1,000	—	—	—	—	—	---	—
			10/07/03	8.96	29.97	0.00	<1,000	—	—	—	—	—	---	—
			02/18/04	8.96	29.97	0.00	<1,000	—	—	—	—	—	---	—
			04/14/04	8.72	30.21	0.00	<1,000	—	—	—	—	—	---	---
			08/04/04	7.96	31.5530.97	0.00	<1,000	—	—	—	—	—	---	—
			11/09/04	7.86	31.07	0.00	<1,000	—	—	—	—	—	---	---
			02/09/05	7.38	31.55	0.00	<1,000	—	—	—	—	—	---	---
			05/10/05	7.28	31.65	0.00	<1,000	—	—	—	—	—	---	---
			08/16/05	7.78	31.15	0.00	<1,000	—	—	—	—	—	---	---
			11/03/05	8.42	30.51	0.00	<1,000	—	—	—	—	—	---	---
			02/22/06	7.09	31.84	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	6.79	32.14	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	7.30	31.63	0.00	<1,000	—	—	—	—	—	---	—

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Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-4	5-20	38.93	11/30/06	6.68	32.25	0.00	<1,000	—	—	—	—	—	---	—
			03/02/07	7.45	31.48	0.00	<1,000	---	---	---	---	---	---	---
			06/11/07	7.56	31.37	0.00	<1,000	---	---	---	---	---	---	---
			09/18/07	8.14	30.79	0.00	<1,000	---	---	---	---	---	---	—
			03/20/08	6.87	32.06	0.00	<1,000	---	---	---	---	---	---	—
			06/10/08	7.05	31.88	0.00	<1,000	---	---	---	---	---	---	—
			09/11/08	7.49	31.44	0.00	<1,000	---	---	---	---	---	---	—
			12/17/08	Sampling Discontinued										
			03/23/10	---	---	0.00	<1,000	---	---	---	---	---	---	—
			06/11/10	7.20	31.73	0.00	<1,000	---	---	---	---	---	---	---
			09/16/10	6.96	31.97	0.00	<1,000	---	---	---	---	---	---	---
			12/15/10	7.04	31.89	0.00	<1,000	---	---	---	---	---	---	---
			03/25/11	5.95	32.98	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	--	<1
			06/23/11	6.24	32.69	0.00	<1,000	---	---	---	---	---	---	---
			09/19/11	6.55	32.38	0.00	<1,000	---	---	---	---	---	---	---
			12/16/11	6.54	32.39	0.00	<1,000	---	---	---	---	---	---	---

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Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-4	5-20	38.93	03/20/12	6.40	32.53	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	6.44	32.49	0.00	<1,000	---	---	---	---	---	---	---
			09/25/12	6.64	32.29	0.00	<1,000	---	---	---	---	---	---	---
			12/19/12	6.73	32.20	0.00	<1,000	---	---	---	---	---	---	---
			03/20/13	6.70	32.23	0.00	<1,000	---	---	---	---	---	---	---
			06/13/13	6.95	31.98	0.00	<1000	---	---	---	---	---	---	---
			09/16/13	7.33	31.60	0.00	<1000	---	---	---	---	---	---	---
			12/20/13	7.11	31.82	0.00	<1000	---	---	---	---	---	---	---
			06/21/18	7.52	31.41	0.00	250	<50	<0.5	<0.5	<0.5	<1.5	<10	<0.5
			06/26/19	6.56	32.37	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	7.05	31.88	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW-5	5-20	38.10	12/12/97	8.41	29.69	0.00	500**	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/19/98	5.32	32.78	Sheen	19,000	160*	<0.5	<0.5	<0.5	<0.5	---	1.5
			06/18/98	7.56	30.54	0.00	9,300	200*	<0.5	<0.5	<0.5	<0.5	---	<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-5	5-20	38.10	09/22/98	9.10	29.00	0.95	----	80	<0.5	0.9	<0.5	1.0	---	<0.5
			12/28/98	8.41	26.69	0.60	Not Sampled - Free Product							
			03/15/99	8.60	29.50	0.70	112,000	200	<0.5	<0.5	<0.5	4.4	---	<0.5
			06/15/99	9.40	28.70	1.50	Not Sampled - Free Product							
		40.23	09/15/99	8.00	32.23	3.00	4,930,000	115,000	<50	<50	<50	494	---	<50
			12/14/99	8.20	32.03	1.17	22,100	2,170	<0.5	<0.5	1.41	10.49	---	<0.5
			03/14/00	8.78	31.45	0.17	8,110,000	2,300	<0.5	<0.5	<0.5	2.1	---	<0.5
			06/14/00	8.85	31.38	0.17	267,000	2,300	<0.5	<0.5	1.4	5.5	---	<0.5
			09/13/00	9.36	30.87	2.50	537,000^	80,000^	<250^	<250^	<250^	310^	---	---
			12/11/00	8.65	31.58	2.00	580,000	2,000	<0.5	<0.5	0.79	1.9	---	<0.5
			03/07/01	8.22	32.01	0.17	1,900,000	1,600	<0.5	<0.5	0.68	3.10	---	<0.5
			05/17/01	8.28	31.95	1.70	67,000	810	<0.5	<0.5	0.64	1.1	---	<0.5
			08/16/01	8.96	31.27	0.13	44,000,000	—	—	—	—	—	---	—
			10/10/01	9.26	30.97	0.02	86,000	—	—	—	—	—	---	—
			01/02/02	9.66	30.57	0.33	25,000,000	—	—	—	—	—	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-5	5-20	40.23	04/25/02	9.28	30.95	0.04	30,000,000	—	—	—	—	—	---	—
			07/11/02	10.26	29.97	0.13	200,000000	—	—	—	—	—	---	---
			10/09/02	11.34	28.89	0.08	82,000,000	—	—	—	—	—	---	—
			01/03/03	10.02	30.21	0.15	Not Sampled - Free Product							
			04/16/03	9.10	31.13	0.21	2,800,000	—	—	—	—	—	---	—
			07/18/03	10.16	30.07	0.17	5,100,000	—	—	—	—	—	---	—
		40.19	10/07/03	9.84	30.35	0.10	4,400,000	—	—	—	—	—	---	—
			02/18/04	9.66	30.53	0.02	2,600,000	—	—	—	—	—	---	---
			04/14/04	10.14	30.05	0.00	560,000	—	—	—	—	—	---	---
			08/04/04	9.16	31.03	0.00	3,100,000	—	—	—	—	—	---	—
			11/09/04	8.66	31.53	0.17	Not Sampled - Free Product							
			02/09/05	7.82	32.37	0.00	18,000	—	—	—	—	—	---	—
			05/10/05	7.60	32.59	0.00	9,600	—	—	—	—	—	---	—
			08/16/05	7.82	32.37	0.00	1,600,000	—	—	—	—	—	---	—
			11/03/05	8.46	31.73	0.00	2,100,000	—	—	—	—	—	---	—
			02/22/06	9.26	30.93	0.00	1,100,000	—	—	—	—	—	---	—

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-5	5-20	40.19	06/05/06	8.16	32.03	0.00	56,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	8.75	31.44	0.00	2,600,000	—	—	—	—	—	---	—
			11/30/06	9.91	30.28	0.00	610,000	—	—	—	—	—	---	—
			03/02/07	8.80	31.39	0.00	580,000	—	—	—	—	—	---	—
			06/11/07	9.07	31.12	0.00	1,200,000	---	---	---	---	---	---	—
			09/18/07	9.85	30.34	0.00	670,000	---	---	---	---	---	---	—
			03/20/08	7.07	33.12	0.00	860,000	---	---	---	---	---	---	—
			06/10/08	7.10	33.09	0.00	1,200,000	---	---	---	---	---	---	—
			09/11/08				Well Inaccessible							
			12/17/08	8.37	31.82	0.83	Not Sampled - Free Product							
			03/19/09	7.87	32.32	0.83	840,000	—	—	—	—	—	---	—
			06/18/09	7.45	32.74	0.00	1,400,000	—	—	—	—	—	---	---
		40.16	09/18/09	8.12	32.04	0.08	Not Sampled - Free Product							
			12/17/09	8.17	31.99	0.01	2,000,000	---	---	---	---	---	---	---
			03/30/10	7.25	32.91	0.00	2,200,000	---	---	---	---	---	---	---
			06/26/10	7.52	32.64	0.33	Not Sampled - Free Product							

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-5	5-20	40.16	09/16/10	7.32	32.84	0.17	Not Sampled Free Product							
			12/15/10	7.44	32.72	0.42	Not Sampled Free Product							
			03/25/11	6.15	34.01	0.04	Not Sampled Free Product							
			06/23/11	6.46	33.70	0.01	Not Sampled Free Product							
			09/19/11	7.08	33.08	0.02	Not Sampled Free Product							
			12/16/11	6.88	33.28	Sheen	Not Sampled Sheen							
			03/20/12	6.91	33.25	0.00	54,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	6.89	33.27	0.00	130,000	---	---	---	---	---	---	---
			09/25/12	7.12	33.04	Sheen	Not Sampled Sheen							
			12/19/12	7.18	32.98	0.00	150,000	---	---	---	---	---	---	---
			03/20/13	6.70	33.46	0.00	120,000	---	---	---	---	---	---	---
			06/13/13	7.36	32.80	0.00	130,000	---	---	---	---	---	---	---
			09/16/13	7.49	32.67	0.00	110,000	---	---	---	---	---	---	---
			12/20/13	7.30	32.86	0.00	290,000	---	---	---	---	---	---	---
			04/20/18	7.35	32.81	0.00	---	---	---	---	---	---	---	---
			06/21/18	7.46	32.70	0.00	26,000	50	<0.5	<0.5	<0.5	<1.5	<10	<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-5	5-20	40.16	06/26/19	6.56	33.60	0.00	4,300	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	6.63	33.53	0.00	5,900	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW-6	5-20	38.97	12/12/97	8.52	30.45	0.00	400**	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/19/98	5.25	33.72	0.00	390	120*	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/18/98	8.41	30.56	0.00	300*	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/22/98	8.68	30.29	0.00	----	60	<0.5	0.8	<0.5	0.8	---	3.1
			10/02/98	---	---	---	500	----	----	----	----	----	---	----
			12/28/98	8.41	30.56	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
		40.51	03/15/99	8.30	32.21	0.00	<200	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/15/99	9.31	31.20	0.00	700	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/15/99	9.00	31.51	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			12/14/99	10.16	30.35	0.00	<50	120	<0.5	<0.5	<0.5	1.77	---	<0.5
			03/14/00	9.65	30.86	0.00	11,000	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	9.77	30.74	0.00	800	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
		40.15	09/13/00	10.32	29.83	0.00	40,000	600	<0.5	<0.5	<0.5	<0.5	---	---

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Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-6	5-20	40.15	12/11/00	10.15	30.00	0.00	17,000	540	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/07/01	9.17	30.98	0.00	16,000	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			05/17/01	8.04	32.11	0.00	47,000	830	<0.5	<0.5	0.68	1.4	---	<0.5
			08/16/01	9.54	30.61	0.00	19,000	—	—	—	—	—	---	—
			10/10/01	9.92	30.23	0.00	21,000	—	—	—	—	—	---	—
			01/02/02	10.06	30.09	0.00	52,000	---	---	—	—	—	---	—
			04/25/02	9.96	30.19	0.00	3,700	—	—	—	—	—	---	—
			07/11/02	10.28	29.87	0.00	1,400	—	—	—	—	—	---	---
			10/09/02	12.04	28.11	0.00	2,100,000	—	—	—	—	—	---	—
			01/03/03	11.64	28.51	0.00	3,800,000	—	—	—	—	—	---	—
		41.04	04/16/03	10.76	30.28	0.00	290,000	—	—	—	—	—	---	—
			07/18/03	10.38	30.66	0.00	170,000	—	—	—	—	—	---	—
			10/07/03	11.26	29.78	0.00	52,000	—	—	—	—	—	---	—
			02/18/04	9.72	31.32	0.00	17,000	—	—	—	—	—	---	—
			04/14/04	11.18	29.86	0.00	11,000	—	—	—	—	—	---	—
			08/04/04	10.24	30.80	0.00	8,800	—	—	—	—	—	---	—

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-6	5-20	41.04	11/09/04	8.72	32.32	0.00	180,000	—	—	—	—	—	---	---
			02/09/05	8.14	32.90	0.00	270,000	—	—	—	—	---	---	---
			05/10/05	7.58	33.46	0.00	200,000	—	—	—	—	—	---	---
			08/16/05	8.08	32.96	0.00	480,000	—	—	—	—	—	---	---
			11/03/05	8.66	32.38	0.00	480,000	—	—	—	—	—	—	---
			02/22/06	8.57	32.47	0.00	<1,000	—	—	—	—	—	—	—
			06/05/06	9.16	31.88	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	—	<5
			09/08/06	9.32	31.72	0.00	<1,000	—	—	—	—	—	—	—
			11/30/06	9.90	31.14	0.00	<1,000	—	—	—	—	—	—	—
			03/02/07	9.36	31.68	0.00	<1,000	---	---	---	---	---	—	---
			06/11/07	9.82	31.22	0.00	80,000	---	---	---	---	---	—	---
			09/18/07	9.28	31.76	0.00	11,000	---	---	---	---	---	—	—
			03/20/08	8.92	32.12	0.00	6,800	---	---	---	---	---	—	—
			06/10/08	7.10	33.94	0.00	44,000	---	---	---	---	---	—	—
			09/11/08	7.97	33.07	0.00	41,000	---	---	---	---	---	—	—
			12/17/08	8.67	32.37	0.00	22,000	—	—	—	—	—	—	—

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-6	5-20	41.04	03/19/09	7.03	34.01	0.00	16,000	—	—	—	—	—	—	—
			06/18/09	7.30	33.74	0.00	9,600	—	—	—	—	—	—	---
			09/18/09	7.44	33.60	0.00	6,500	—	—	—	—	—	—	---
			12/17/09	7.71	33.33	0.00	13,000	---	---	---	---	---	—	---
			03/30/10	6.72	34.32	0.00	11,000	---	---	---	---	---	—	---
			06/23/10	6.94	34.10	0.00	4,700	---	---	---	---	---	—	—
			09/16/10	7.10	33.94	0.00	<1,000	---	---	---	---	---	—	---
			12/15/10	6.98	34.06	0.00	4,200	---	---	---	---	---	—	---
			03/25/11	6.15	34.89	0.00	3,900	---	<0.5	<0.5	<0.5	<0.6	—	<1
			06/23/11	6.46	34.58	0.00	2,900	---	---	---	---	---	—	---
			09/19/11	6.61	34.43	0.00	2,400	---	---	---	---	---	—	---
			12/16/11	6.68	34.36	0.00	1,600	---	---	---	---	---	—	---
			03/20/12	6.45	34.59	0.00	1,400	---	<0.5	<0.5	<0.5	<0.6	—	<1
			06/27/12	6.53	34.51	0.00	<1,000	---	---	---	---	---	—	---
			09/25/12	6.85	34.19	0.00	<1,000	---	---	---	---	---	—	---
			12/19/12	6.95	34.09	0.00	<1 ,000	---	---	---	---	---	—	---

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-6	5-20	41.04	03/20/13	7.38	33.66	0.00	<1,000	---	---	---	---	---	—	---
			06/13/13	7.06	33.98	0.00	<1,000	---	---	---	---	---	—	---
			09/16/13	7.36	33.68	0.00	<1,000	---	---	---	---	---	---	---
			12/20/13	7.24	33.80	0.00	<1 ,000	---	---	---	---	---	---	---
			04/20/18	7.41	33.63	0.00	---	---	---	---	---	---	---	---
			6/21/18	7.61	33.43	0.00	3,200	<50	<0.5	<0.5	<0.5	<1.5	<10	<0.5
			6/26/19	6.70	34.34	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	7.14	33.90	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW-7	5-20	39.76	06/15/99	7.90	31.86	0.00	9,500	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/15/99	8.60	31.16	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			12/14/99	8.73	31.03	0.00	<50	280	<0.5	1.42	7.64	6.91	---	<0.5
			03/14/00	8.20	31.56	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	8.38	31.38	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/13/00	8.85	30.91	0.00	17,000	<200	<0.5	<0.5	<0.5	<0.5	---	---
			12/11/00	8.78	30.98	0.00	16,000	1,600	<0.5	<0.5	<0.5	0.67	---	<0.5

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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-7	5-20	39.76	03/07/01	7.65	32.11	0.00	550	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			05/17/01	7.54	32.22	0.00	<200	<200	<0.5	<0.5	<0.5	<1	---	<0.5
			08/16/01	8.16	31.60	0.00	280	—	—	—	—	—	---	—
			10/10/01	8.56	32.20	0.00	<200	----	----	----	----	----	---	----
			01/02/02	8.68	31.08	0.00	<1000	—	—	—	—	—	---	---
		39.75	04/25/02	9.56	30.19	0.00	<200	—	—	—	—	—	---	—
			07/11/02	8.94	30.81	0.00	<200	—	—	—	—	—	---	---
			10/09/02	10.78	28.97	0.00	<1000	—	—	—	—	—	---	—
			01/03/03	10.24	29.51	0.00	<1,000	—	—	—	—	—	---	—
			04/16/03	9.36	30.39	0.00	<1,000	—	—	—	—	—	---	—
			07/18/03	9.36	30.39	0.00	<1,000	—	—	—	—	—	---	—
			10/07/03	9.86	29.89	0.00	<1,000	—	—	—	—	—	---	—
			02/18/04	9.82	29.93	0.00	<1,000	—	----	—	—	—	---	—
			04/14/04	9.54	30.21	0.00	<1,000	—	—	—	—	—	---	---
			08/04/04	8.97	30.78	0.00	<1,000	—	—	—	—	—	---	—
			11/09/04	8.68	31.07	0.00	<1,000	—	—	—	—	—	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-7	5-20	39.75	02/09/05	8.08	31.67	0.00	<1,000	—	—	—	—	—	---	---
			05/10/05	7.64	32.11	0.00	<1,000	—	—	—	—	—	---	---
			08/16/05	8.14	31.61	0.00	<1,000	—	—	—	—	—	---	---
			11/03/05	8.38	31.37	0.00	17,000	—	—	—	—	—	---	---
			02/22/06	8.26	31.49	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	7.60	32.15	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	8.12	31.63	0.00	<1,000	—	—	—	—	—	---	—
			11/30/06	8.37	31.38	0.00	<1,000	—	—	—	—	—	---	—
			03/02/07	8.25	31.50	0.00	<1,000	---	---	---	---	---	---	---
			06/11/07	8.38	31.37	0.00	110,000	---	---	---	---	---	---	—
			09/18/07	8.98	30.77	0.00	40,000	---	---	---	---	---	---	—
			03/20/08	7.98	31.77	0.00	80,000	---	---	---	---	---	---	—
			06/10/08	7.53	32.22	0.00	61,000	---	---	---	---	---	---	—
			09/11/08	8.59	31.16	0.00	<1,000	---	---	---	---	---	---	—
			12/17/08	8.86	30.89	0.00	<1,000	—	—	—	—	—	---	—
			03/19/09	8.00	31.75	0.00	<1,000	—	—	—	—	—	---	—

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-7	5-20	39.75	06/18/09	8.27	31.48	0.00	<1,000	—	—	—	—	—	---	---
			09/18/09	9.53	30.22	0.00	<1,000	—	—	—	—	—	---	---
			12/17/09	8.72	31.03	0.00	<1,000	---	---	---	---	---	---	---
			03/30/10	7.65	32.10	0.00	<1,000	---	---	---	---	---	---	---
			06/23/10	7.86	31.89	0.00	<1,000	---	---	---	---	---	---	—
			09/16/10	8.08	31.67	0.00	<1,000	---	---	---	---	---	---	---
			12/15/10	7.72	32.03	0.00	<1,000	---	---	---	---	---	---	---
			03/25/11	7.01	32.74	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/23/11	7.36	32.39	0.00	<1,000	---	---	---	---	---	---	---
			09/19/11	7.49	32.26	0.00	<1,000	---	---	---	---	---	---	---
			12/16/11	7.55	32.20	0.00	<1,000	---	---	---	---	---	---	---
			03/20/12	7.41	32.34	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	7.44	32.31	0.00	<1,000	---	---	---	---	---	---	---
			09/25/12	7.74	32.01	0.00	<1,000	---	---	---	---	---	---	---
			12/19/12	7.83	31.92	0.00	<1,000	---	---	---	---	---	---	---
			03/20/13	7.61	32.14	0.00	<1,000	---	---	---	---	---	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-7	5-20	39.75	06/13/13	7.92	31.83	0.00	<1,000	---	---	---	---	---	---	---
			09/16/13	8.04	31.71	0.00	<1,000	---	---	---	---	---	---	---
			12/20/13	7.95	31.80	0.00	<1,000	---	---	---	---	---	---	---
			6/21/18	8.22	31.53	0.00	1,200	<50	<0.5	<0.5	<0.,5	<1.5	<10	<0.5
			6/26/19	7.53	32.22	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			9/27/19	7.58	32.17	0.00	<500	<500-	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW-8	5-20	40.64	06/15/99	8.85	31.79	0.00	200#	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/15/99	9.50	31.14	0.00	<50	<50	<0.5	<0.5	<0.5	<1	---	<0.5
			12/14/99	9.68	30.96	0.00	<50	200	<0.5	<0.5	<0.5	<1	---	<0.5
			03/14/00	9.18	31.46	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			06/14/00	9.34	31.30	0.00	500	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			09/13/00	9.80	30.84	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			12/11/00	9.64	31.00	0.00	340	<200	<0.5	<0.5	<0.5	<0.5	---	<0.5
			03/07/01	8.42	32.22	0.00	<200	<200	<0.5	<0.5	<0.5	<0.5		<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-8	5-20	40.65	05/17/01	8.62	32.03	0.00	<200	<200	<0.5	<0.5	<0.5	<1	---	<0.5
			08/16/01	9.12	31.53	0.00	810	—	—	—	—	—	---	---
			10/10/01	9.46	31.19	0.00	<200	----	----	----	----	----	---	----
			01/02/02	9.36	31.29	0.00	<1000	—	—	—	—	—	---	---
			04/25/02	9.46	31.19	0.00	<200	—	—	—	—	—	---	—
			07/11/02	8.96	31.69	0.00	<200	—	—	—	—	—	---	---
			10/09/02	11.42	29.23	0.00	<1000	—	—	—	—	–	---	---
			01/03/03	11.14	29.51	0.00	<1,000	—	—	—	—	—	---	—
			04/16/03	10.32	30.33	0.00	<1,000	—	—	—	—	—	---	---
			07/18/03	10.26	30.39	0.00	<1,000	—	—	—	—	—	---	—
			10/07/03	10.82	29.83	0.00	3,600	—	—	—	—	—	---	—
			02/18/04	10.70	29.95	0.00	< 1,000	—	—	—	—	—	---	---
			04/14/04	10.44	30.21	0.00	<1 ,000	—	—	—	—	—	---	---
			08/04/04	9.84	30.81	0.00	<1,000	—	—	—	—	—	---	—
			11/09/04	9.48	31.17	0.00	<1,000	—	—	—	—	—	---	---
			02/09/05	9.02	31.63	0.00	<1,000	—	—	—	—	—	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-8	5-20	40.65	05/10/05	8.53	32.12	0.00	<1,000	—	—	—	—	—	---	---
			08/16/05	8.26	32.39	0.00	<1,000	—	—	—	—	—	---	---
			11/03/05	9.14	31.51	0.00	12,000	—	—	—	—	—	---	---
			02/22/06	9.28	31.37	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	8.64	32.01	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	9.19	31.46	0.00	<1,000	—	—	—	—	—	---	—
			11/30/06	9.39	31.26	0.00	<1,000	—	—	—	—	—	---	—
			03/02/07	9.31	31.34	0.00	<1,000	---	---	---	---	---	---	---
			06/11/07	9.37	31.28	0.00	<1,000	---	---	---	---	---	---	—
			09/18/07	9.95	30.70	0.00	<1,000	---	---	---	---	---	---	—
			03/20/08	8.76	31.89	0.00	<1,000	---	---	---	---	---	---	—
			06/10/08	8.50	32.15	0.00	<1,000	---	---	---	---	---	---	—
			09/11/08	8.40	32.25	0.00	<1,000	---	---	---	---	---	---	—
			12/17/08	Sampling Discontinued										
			06/23/10	7.74	32.91	0.00	<1,000	---	---	---	---	---	---	—
			09/16/10	7.90	32.75	0.00	<1,000	---	---	---	---	---	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-8	5-20	40.65	12/15/10	7.85	32.80	0.00	<1,000	---	---	---	---	---	---	---
			03/25/11	6.89	33.76	0.00	<1 ,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/23/11	7.23	33.42	0.00	<1,000	---	---	---	---	---	---	---
			09/19/11	7.13	33.52	0.00	<1,000	---	---	---	---	---	---	---
			12/16/11	7.41	33.24	0.00	<1,000	---	---	---	---	---	---	---
			03/20/12	7.22	33.43	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	7.24	33.41	0.00	<1,000	---	---	---	---	---	---	---
			09/25/12	7.56	33.09	0.00	<1,000	---	---	---	---	---	---	---
			12/19/12	7.79	32.86	0.00	<1,000	---	---	---	---	---	---	---
			03/20/13	7.68	32.97	0.00	<1,000	---	---	---	---	---	---	---
			06/13/13	7.82	32.83	0.00	<1,000	---	---	---	---	---	---	---
			09/16/13	8.20	33.45	0.00	<1,000	---	---	---	---	---	---	---
			12/20/13	8.03	32.62	0.00	<1,000	---	---	---	---	---	---	---
			6/21/18	8.41	32.34	0.00	140	<0.5	<0.5	<0.5	<0.5	<1.5	<10	<0.5
			6/21/19	7.48	33.17	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	7.96	32.69	0.00	17,000	<500	<0.5	<0.5	<0.5	<1.5	1.9	<0.5

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
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Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-9	3-18	41.01	08/04/04	9.46	31.55	0.00	1,500	—	—	—	—	—	---	—
			11/09/04	9.44	31.57	0.00	<1,000	—	—	—	—	—	---	---
			02/09/05	8.38	32.63	0.00	<1,000	—	—	—	—	—	---	---
			05/10/05	9.66	31.35	0.00	<1,000	—	—	—	—	—	---	---
			08/16/05	8.34	32.67	0.00	22,000	—	—	—	—	—	---	---
			11/03/05	9.20	31.81	0.00	840,000	—	—	—	—	—	---	---
			02/22/06	9.78	31.23	0.00	<1,000	—	—	—	—	—	---	—
			06/05/06	9.16	31.85	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6		<5
			09/08/06	9.69	31.32	0.00	<1,000	—	—	—	—	—	---	—
			11/30/06	9.92	31.09	0.00	<1,000	—	—	—	—	—	---	—
			03/02/07	9.47	31.54	0.00	<1,000	---	---	---	---	---	---	---
			06/11/07	9.87	31.14	0.00	<1,000	---	---	---	---	---	---	---
			09/18/07	10.42	30.59	0.00	<1,000	---	---	---	---	---	---	—
			03/20/08	8.61	32.40	0.00	<1,000	---	---	---	---	---	---	—
			06/10/08	8.10	32.91	0.00	290,000	---	---	---	---	---	---	—
			09/11/08	8.23	32.78	0.00	<1,000	---	---	---	---	---		—

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Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-9	3-18	41.01	12/17/08	8.54	32.47	0.00	<1,000	—	—	—	—	—	---	—
			03/19/09	7.71	33.30	0.00	<1,000	—	—	—	—	—	---	—
			06/18/09	7.94	33.07	0.00	4,500	—	—	—	—	—	---	---
			09/18/09	7.40	33.61	0.00	3,000	—	—	—	—	—	---	---
			12/17/09	8.36	32.65	0.00	4,800	---	---	---	---	---	---	---
			03/30/10	7.40	33.62	0.00	150,000	---	---	---	---	---	---	---
			06/23/10	7.60	33.41	0.00	<1,000	---	---	---	---	---	---	—
			09/16/10	7.80	33.21	0.00	<1,000	---	---	---	---	---	---	---
			12/15/10	7.55	33.46	0.00	<1,000	---	---	---	---	---	---	---
			03/25/11	6.80	34.21	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/23/11	7.14	33.87	0.00	<1,000	---	---	---	---	---	---	---
			09/19/11	7.25	33.76	0.00	<1,000	---	---	---	---	---	---	---
			12/16/11	7.30	33.71	0.00	<1,000	---	---	---	---	---	---	---
			03/20/12	7.14	33.87	0.00	<1,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	7.19	33.82	0.00	<1,000	---	---	---	---	---	---	---
			09/25/12	7.54	33.47	0.00	<1,000	---	---	---	---	---	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW-9	3-18	41.01	12/19/12	7.60	33.41	0.00	<1,000	---	---	---	---	---	---	---
			03/20/13	7.51	33.50	0.00	<1,000	---	---	---	---	---	---	---
			06/13/13	7.69	33.32	0.00	<1,000	---	---	---	---	---	---	---
			09/16/13	8.14	32.87	0.00	<1,000	---	---	---	---	---	---	---
			12/20/13	7.93	33.08	0.00	<1,000	---	---	---	---	---	---	---
			06/21/18	8.27	32.74	0.00	180	<50	<0.5	<0.5	<0.5	<1.5	<10	<0.5
			06/26/19	7.42	33.59	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
			09/27/19	7.92	33.09	0.00	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.5
MW10	3-18	40.39	08/04/04	9.66	30.73	0.00	2,800,000	—	—	—	—	—	---	—
			11/09/04	8.64	31.75	1.50	Not Sampled - Free Product							
			02/09/05	7.64	32.75	1.33	Not Sampled - Free Product							
			05/10/05	7.56	32.83	0.75	Not Sampled - Free Product							
			08/16/05	7.80	32.59	0.29	Not Sampled - Free Product							
			11/03/05	8.50	31.89	0.00	16,000	—	—	—	—	—	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW10	3-18	40.39	02/22/06	8.74	31.65	0.00	260,000	—	—	—	—	—	---	—
			06/05/06	8.41	31.98	0.00	23,000	—	<0.5	<0.5	<0.5	<0.6	---	<5
			09/08/06	9.10	31.29	0.00	3,200,000	—	—	—	—	—	---	—
			11/30/06	9.15	31.24	0.00	24,000	—	—	—	—	—	---	—
			03/02/07	8.80	31.59	0.00	84,000	---	---	---	---	---	---	---
			06/11/07	9.11	31.28	0.00	210,000	---	---	---	---	---	---	---
			09/18/07	9.87	30.52	0.00	1,200,000	---	---	---	---	---	---	—
			03/20/08	8.67	31.72	1.17	Not Sampled - Free Product							
			06/10/08	8.32	32.07	1.17	Not Sampled - Free Product							
			09/11/08	8.98	31.41	1.00	Not Sampled - Free Product							
			12/17/08	8.75	31.64	2.00	Not Sampled - Free Product							
			03/19/09	7.93	32.46	0.67	Not Sampled - Free Product							
			06/18/09	8.25	32.14	0.83	Not Sampled - Free Product							
			09/18/09	8.45	31.94	1.17	Not Sampled - Free Product							
			12/17/09	8.53	31.86	1.17	Not Sampled- Free Product							
			03/30/10	7.49	32.90	1.00	Not Sampled- Free Product							

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

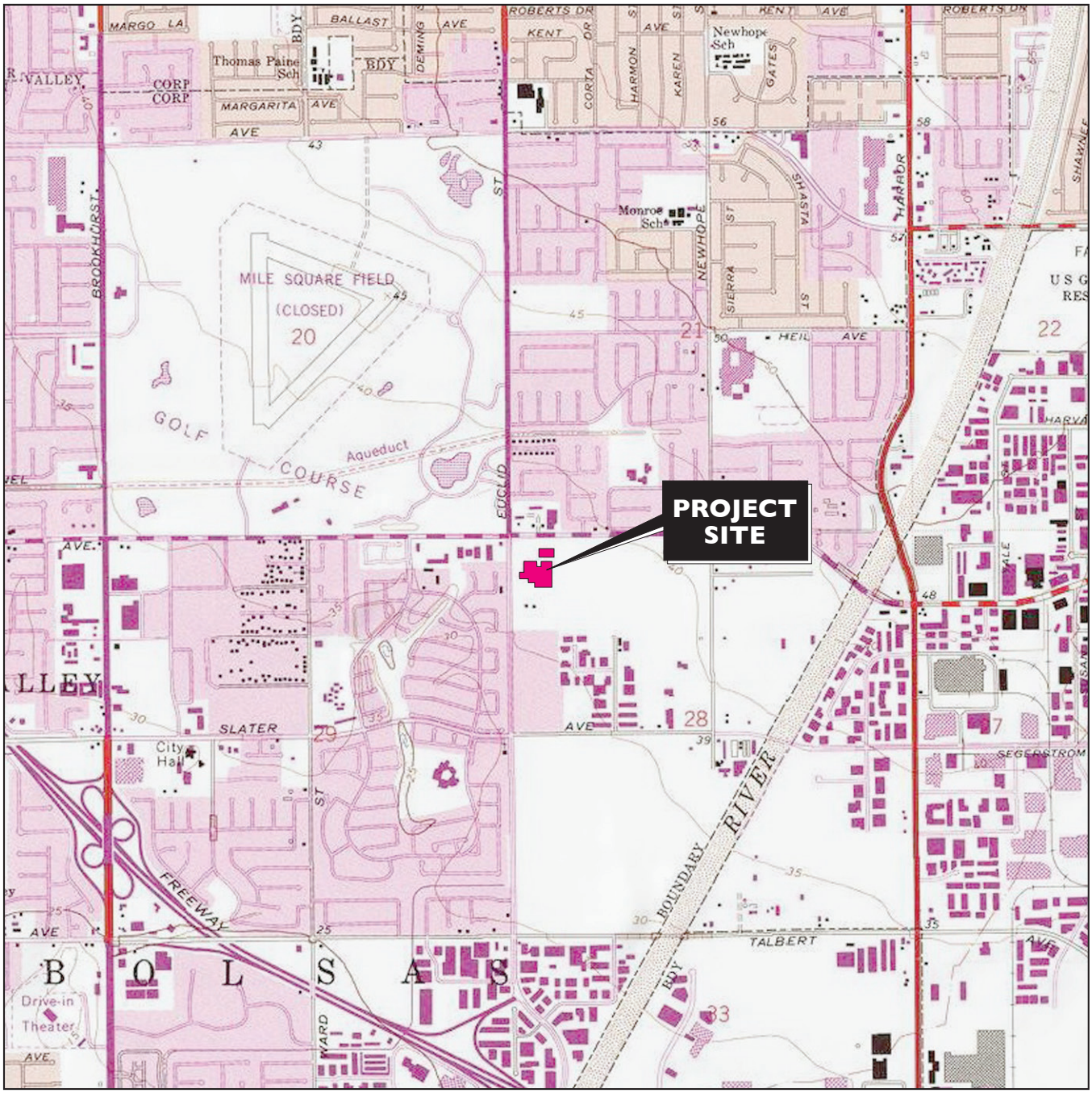
Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW10	3-18	40.39	06/23/10	7.20	33.19	1.00	Not Sampled- Free Product							
			09/16/10	7.35	33.04	0.50	Not Sampled - Free Product							
			12/15/10	7.18	33.21	0.75	Not Sampled - Free Product							
			03/25/11	6.98	33.41	0.50	Not Sampled - Free Product							
			06/23/11	7.33	33.06	0.00	<1,000	---	---	---	---	---	---	---
			09/19/11	7.61	32.78	0.02	Not Sampled - Free Product							
			12/16/11	6.84	33.55	Sheen	Not Sampled Sheen							
			03/20/12	6.85	33.54	0.00	140,000	---	<0.5	<0.5	<0.5	<0.6	---	<1
			06/27/12	7.13	33.26	0.00	260,000	---	---	---	---	---	---	---
			09/25/12	7.50	32.89	0.02	Not Sampled - Free Product ---							
			12/19/12	7.64	32.75	0.00	310,000	---	---	---	---	---	---	---
			03/20/13	7.45	32.94	0.00	870,000	---	---	---	---	---	---	---
			06/13/13	7.99	32.40	0.08	Not Sampled - Free Product							
			09/16/13	8.02	32.37	0.04	Not Sampled - Free Product							
			12/20/13	7.13	33.26	0.00	610,000	---	---	---	---	---	---	---
			04/20/18	7.55	32.84	0.00	---	---	---	---	---	---	---	---

TABLE 1
Analyses of Groundwater Samples
Fountain Valley Medical Center
OCHCA Case #96UT21

Well ID	Screen Interval (ft bgs)	TOC Elevation (ft)*	DATE	GW Depth (ft)	GW Elevation	FP (ft)	TPHd (ug/l)	TPHg (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	Napthalene (ug/l)	MTBE (ug/l)
MW10	3-18	40.39	06/21/18	7.70	32.69	Sheen	1,800,000	<500	<5.0	<5.0	<5.0	<15	<100	<5.0
			06/26/19	6.82	33.57	Sheen	40,000	<500	0.65	<0.5	<0.5	<1.5	11	<0.5
			09/27/19	7.35	33.04	0.02	130,000	2,700#	<0.5	<0.5	<0.5	<1.5	13	<0.5

Sample results in parts per billion (ppb - ug/L) - unless otherwise noted
TPHd = total petroleum hydrocarbon as diesel
TPHg = total petroleum hydrocarbon as gasoline
B = benzene T = toluene E = ethyl benzene X = xylene
MTBE = methyl tertiary butyl ether
TPHd analyzed by EPA Method 8015M
*** The sample contains hydrocarbons heavier than diesel**
**** The sample contains hydrocarbons lighter and heavier than diesel**
FP - Free Product
 # - Results in the gasoline range are primarily due to overlap from a diesel range product

PLATES



Notes:
1) The base map was taken from USGS 7.5 Minute Newport Beach, California Topographic Quadrangle, 1965, photorevised 1972.
2) All locations and dimensions are approximate.

0 1000 2000 3000

Approximate Graphic Scale:
One Inch Equals 2000 Feet

North

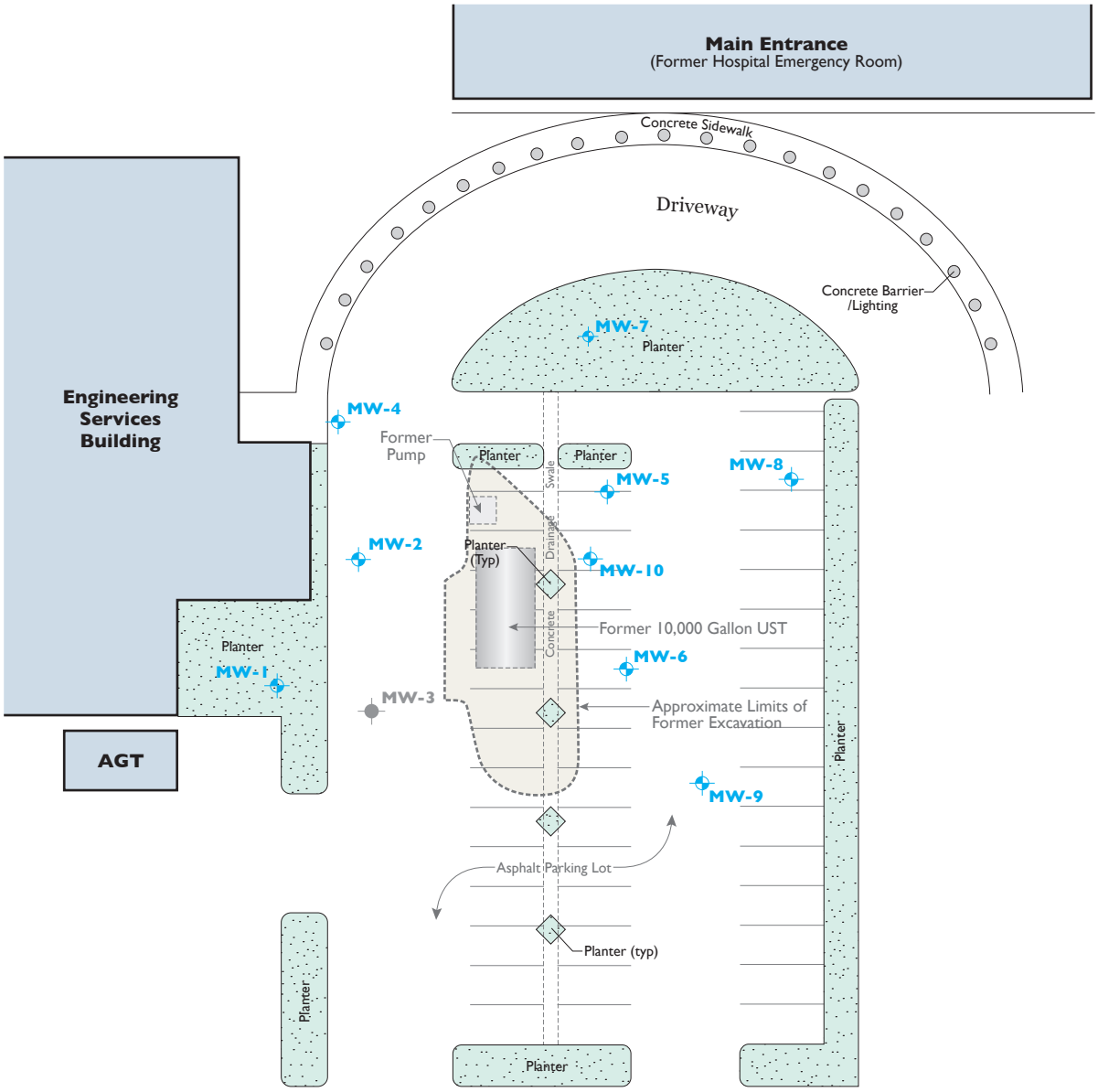
C. JAMES & ASSOCIATES, INC.
Environmental Consultants

Client:
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California

SITE LOCATION MAP

Plate 1

Drawn By: H.L.	Approved By: H.H.	Project Number: 01085	Date: June 2019



EXPLANATION

MW-10 Location and Designation of Groundwater Monitoring Well

MW-3 Location and Designation of Destroyed Monitoring Well During 2008 Parking Lot Construction

0 20 40 60

Approximate Graphic Scale:
One Inch Equals 40 Feet

North

Note:
1. All locations are approximate.
2. Well locations were updated 6/10/08 during June 10, 2008 sampling.

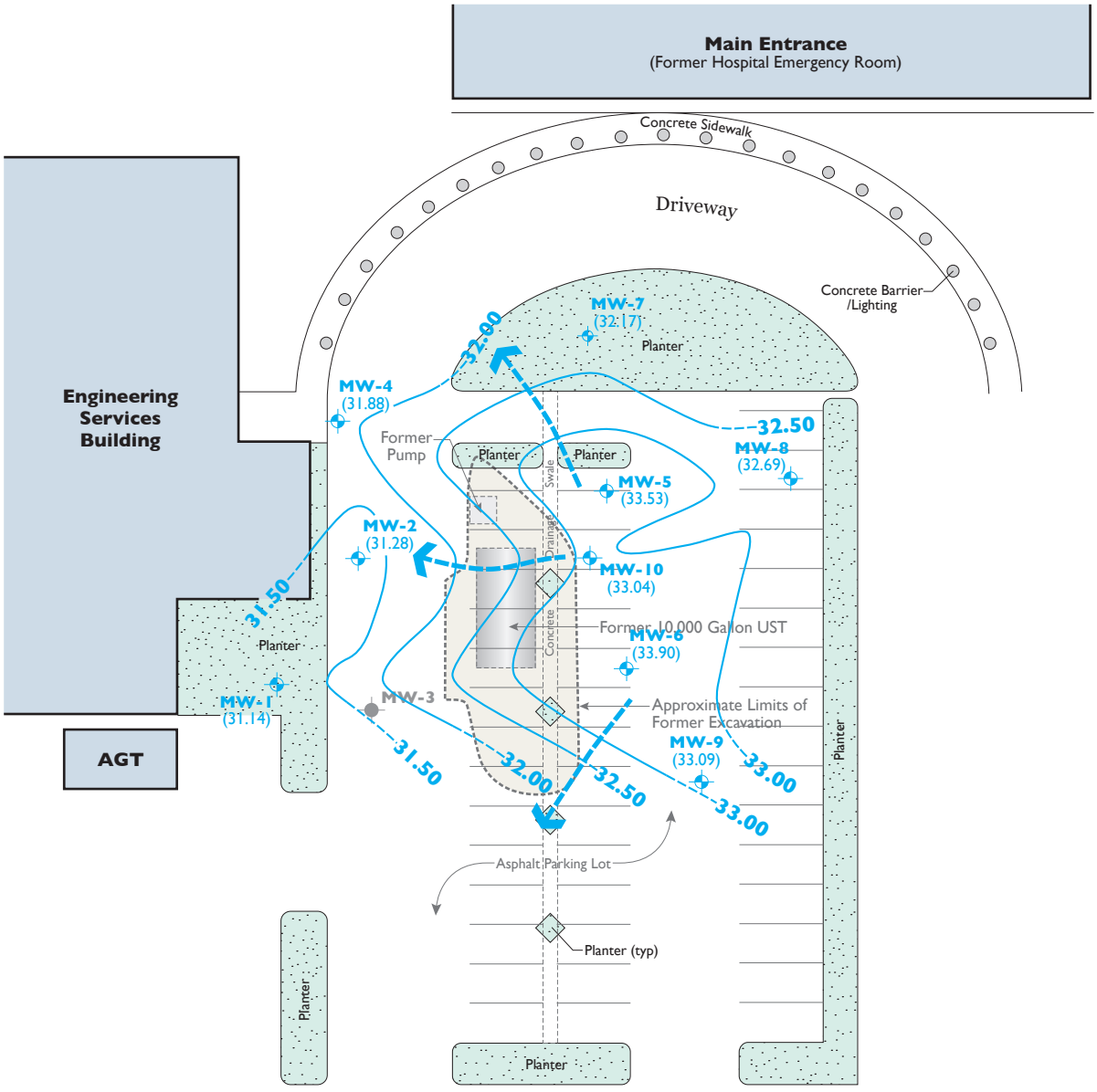
C. JAMES & ASSOCIATES, INC.
Environmental Consultants

Client:
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California

SITE PLAN WITH GROUNDWATER MONITORING WELLS

Plate 2

Drawn By: H.L.	Approved By: H.H.	Project Number: 01085	Date: October 2019



EXPLANATION

MW-10 — Location and Designation of Groundwater Monitoring Well

MW-3 — Location and Designation of Destroyed Monitoring Well During 2008 Parking Lot Construction

(33.90) — Groundwater Elevation in Feet Above Mean Sea Level.

33.00 — Groundwater Elevation Contour in Feet Above Mean Sea Level. Dashed Where Inferred.

Estimated Direction of Groundwater Flow.

0 20 40 60

Approximate Graphic Scale:
One Inch Equals 40 Feet

North

Notes:
1. All locations are approximate.
2. Well locations were updated 6/10/08 during June 10, 2008 sampling.

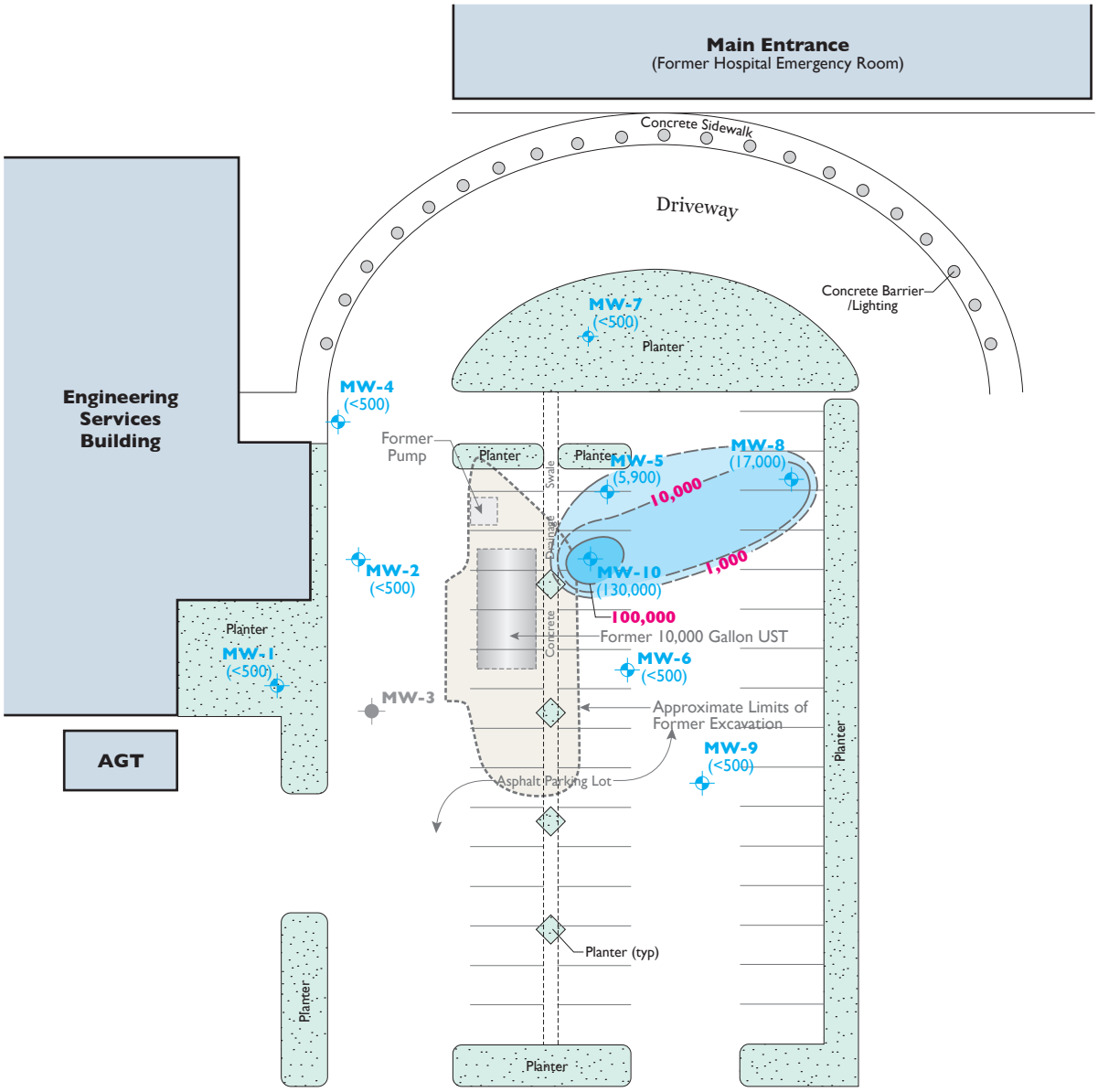
C. JAMES & ASSOCIATES, INC.
Environmental Consultants

Client:
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California

SITE PLAN WITH GROUNDWATER ELEVATIONS AND GENERAL DIRECTION OF GROUNDWATER FLOW ON SEPTEMBER 27, 2019

Plate 3

Drawn By: H.L.	Approved By: H.H.	Project Number: 01085	Date: October 2019



EXPLANATION

MW-10 — Location and Designation of Groundwater Monitoring Well

MW-3 — Location and Designation of Destroyed Monitoring Well During 2008 Parking Lot Construction

10,000 — Contour of Total Petroleum Hydrocarbon Concentration as Diesel in Micrograms Per Liter (µg/l). Dashed Where Inferred.

(17,000) — Total Petroleum Hydrocarbon Concentration as Diesel in Groundwater in Micrograms Per Liter (µg/l).

Notes:
1. All locations are approximate.
2. Well locations were updated 6/10/08 during June 10, 2008 sampling.

0 20 40 60
Approximate Graphic Scale:
One Inch Equals 40 Feet

North

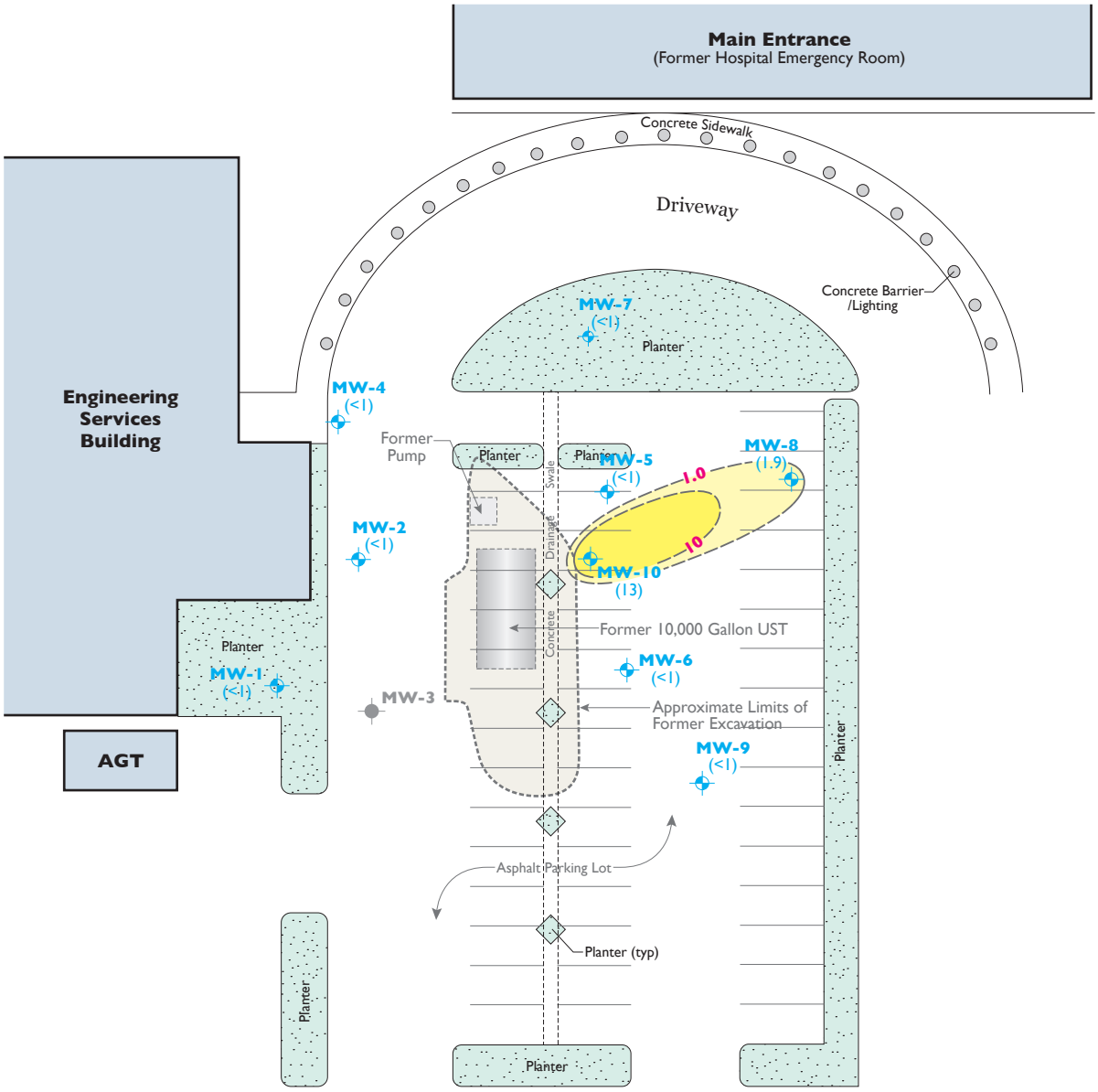
C. JAMES & ASSOCIATES, INC.
Environmental Consultants

Client:
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California

SITE PLAN WITH TOTAL PETROLEUM HYDROCARBON CONCENTRATIONS AS DIESEL IN GROUNDWATER ON SEPTEMBER 27, 2019

Plate 4

Drawn By: H.L.	Approved By: H.H.	Project Number: 01085	Date: October 2019



EXPLANATION

MW-10 — Location and Designation of Groundwater Monitoring Well

MW-3 — Location and Designation of Destroyed Monitoring Well During 2008 Parking Lot Construction

10 — Contour of Napthalene Concentration in Micrograms Per Liter (µg/l). Dashed Where Inferred.

(13) — Napthalene Concentration in Groundwater in Micrograms Per Liter (µg/l).

Notes:
1. All locations are approximate.
2. Well locations were updated 6/10/08 during June 10, 2008 sampling.

0 20 40 60
Approximate Graphic Scale:
One Inch Equals 40 Feet

North

C. JAMES & ASSOCIATES, INC.
Environmental Consultants

Client:
Fountain Valley Regional Hospital
17100 Euclid Street
Fountain Valley, California

SITE PLAN WITH NAPTHALENE CONCENTRATIONS IN GROUNDWATER ON SEPTEMBER 27, 2019

Plate 5

Drawn By: H.L.	Approved By: H.H.	Project Number: 01085	Date: October 2019

APPENDIX A

Field Notes

WELL GAUGING DATA

Project # 190927-66-1 Date 9-27-19 Client C James & GS

Site 17100 Euclid Ave Fountain Valley

Well ID	Well Size (in.)	Time Gauged	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	4						8.12	14.90	
MW-2	4						7.42	14.53	
~~MW-3~~									
MW-4	2						7.05	17.13	
MW5	2						6.63	19.62	
MW6	1.5						7.14	14.95	
MW7	2						7.58	15.50	
MW-8	2						7.96	10.90	
MW-9	2	7:43					7.92	12.98	
MW10	2			7.25	.02		7.35	16.39	

WELL MONITORING DATA SHEET

Project #: 140127-66-1	Client: G James & Bs
Sampler: GG	Date: 9-27-14
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.90	Depth to Water (DTW): 8.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0955	21.9	7.54	3235	14.2	—	
	- no	purge	sample	taken	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-14 Sampling Time: 1000 Depth to Water: 8.10

Sample I.D.: MW-1 Laboratory: See Cover

Analyzed for: See Cover Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927GA-1	Client: C Jones & Sons
Sampler: GBJ	Date: 9-27-19
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.53	Depth to Water (DTW): 7.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
0942	24.1	7.57	28.941	10	—	
	NW	purge sample taken				

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-19 Sampling Time: 0945 Depth to Water: 7.42

Sample I.D.: MW-2 Laboratory: See Coc

Analyzed for: See Coc Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 70927-GG-1	Client: C James & Ass
Sampler: GG	Date: 9-27-19
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 17.13	Depth to Water (DTW): 7.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, ~~Waterra~~, Peristaltic, Extraction Pump, Other ___

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ___

___(Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0927	24.1	7.72	24.67	9	5	
	-not purge sample taken-					

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-19 Sampling Time: 0930 Depth to Water: 7.05

Sample I.D.: MW-4 Laboratory: See coc

Analyzed for: See coc Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-GB1	Client: C. James E Hill
Sampler: GB	Date: 9-27-19
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 14.62	Depth to Water (DTW): 6.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: _____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
0835	21.8	7.29	3623	36	—	
	-NP purge sample taken-					

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-19 Sampling Time: 0840 Depth to Water: 6.63

Sample I.D.: MW-5 Laboratory: See Coc

Analyzed for: See Coc Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-66-1	Client: C James & Ass
Sampler: GG	Date: 7-27-19
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8 4.5
Total Well Depth (TD): 14.95	Depth to Water (DTW): 7.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other _____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: _____

_____ (Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
0808	24.1	7.38	4287	23	—	
	— no	purge sample	taken			

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-19 Sampling Time: 0810 Depth to Water: 7.14

Sample I.D.: MW-6 Laboratory: See COC

Analyzed for: See COC Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-GG-1	Client: C-James & GSS
Sampler: Greg	Date: 9-27-19
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 15,50	Depth to Water (DTW): 7.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / ~~Positive Air Displacement~~ / ~~Electric Submersible~~ / ~~Waterra~~ / ~~Peristaltic~~ / ~~Extraction Pump~~ / ~~Other~~

Sampling Method: Bailer / ~~Disposable Bailer~~ / ~~Extraction Port~~ / ~~Dedicated Tubing~~ / Other:

___ (Gals.) X ___ = ___ Gals.
1 Case Volume · Specified Volumes · Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0852	21.4	7.22	3968	112	—	
—	No	purge	Sample	taken	—	

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9-27-19 Sampling Time: 0855 Depth to Water: 7.58

Sample I.D.: MW-7 Laboratory: See Cover

Analyzed for: See Cover Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-GA-1	Client: C Jones & Ass
Sampler: GA	Date: 9-27-19
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 18.90	Depth to Water (DTW): 7.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: _____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0905	24.8	7.05	3855	24.	✓	
	NC		purge	Sample taken		

Did well dewater? Yes (No) Gallons actually evacuated: ✓

Sampling Date: 9-27-19 Sampling Time: 0909 Depth to Water: 7.96

Sample I.D.: MW-8 Laboratory: See COC

Analyzed for: See COC Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): /

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-GG-1	Client: C-James & Assoc.
Sampler: GG	Date: 9-27-19
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.98	Depth to Water (DTW): 7.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ / Disposable Bailer / Positive Air Displacement / Electric Submersible / ~~Waterra~~ / Peristaltic / Extraction Pump / Other ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or ~~°C~~)	pH	Cond. (mS/cm or ~~µS/cm~~)	Turbidity (NTUs)	Gals. Removed	Observations
0745	25.7	6.95	3733	33		
	-NO	purge	sample	taken	-	

Did well dewater? Yes ~~No~~ Gallons actually evacuated: /

Sampling Date: 9-27-19 Sampling Time: 0750 Depth to Water: 07.95

Sample I.D.: MW-9 Laboratory: See Coc

Analyzed for: See Coc Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 190927-G6-1	Client: C Jones E Hs
Sampler: GG	Date: 9-27-19
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 16.39	Depth to Water (DTW): 7.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, ~~Disposable Bailer~~, Positive Air Displacement, ~~Electric Submersible~~, Waterra, Peristaltic, ~~Extraction Pump~~, Other ___

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0820	22.8	6.90	1936	66		
	— No purge sample taken —					
	Sgt1		detected @		7.25	

Did well dewater? Yes (No) Gallons actually evacuated: ~~—~~

Sampling Date: 9-27-19 Sampling Time: 0825 Depth to Water: 7.35

Sample I.D.: MW-10 Laboratory: See COC

Analyzed for: See COC Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELLHEAD INSPECTION CHECKLIST

Client 9-27-19 ← Date C. James & Associates

Site Address 17100 Euclid Ave Fountain Valley

Job Number 190927-ZG-1 Technician

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	✓									
MW-2	✓									
~~MW-3~~	✓									
MW-4	✓									
MW-5	✓									
MW-6	✓									
MW-7	✓									
MW-8	✓									
MW-9	✓									
MW-10	✓									

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro+	12H101387	0540 @ 9/12	PH 4 10 7 00 cond ORP	4.06 6.99 7.08 1413 1413 240.1	✓	19.2°	

APPENDIX B

Laboratory Report

Mobile Geochemistry Inc.

09 October 2019

Michael Anselmo
C. James & Associates, Inc.
PO Box 4832
Oceanside, CA 92052-4832

H&P Project: CJ092719-11
Client Project: 01085/ Fountain Valley Medical

Dear Michael Anselmo:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 27-Sep-19 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	E909116-01	Water	27-Sep-19	27-Sep-19
MW-2	E909116-02	Water	27-Sep-19	27-Sep-19
MW-4	E909116-03	Water	27-Sep-19	27-Sep-19
MW-5	E909116-04	Water	27-Sep-19	27-Sep-19
MW-6	E909116-05	Water	27-Sep-19	27-Sep-19
MW-7	E909116-06	Water	27-Sep-19	27-Sep-19
MW-8	E909116-07	Water	27-Sep-19	27-Sep-19
MW-9	E909116-08	Water	27-Sep-19	27-Sep-19
MW-10	E909116-09	Water	27-Sep-19	27-Sep-19

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

DETECTIONS SUMMARY

Sample ID: **MW-1** Laboratory ID: **E909116-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **MW-2** Laboratory ID: **E909116-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **MW-4** Laboratory ID: **E909116-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **MW-5** Laboratory ID: **E909116-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel (C12-C22)	**5900**	500	ug/l	LUFT GC	

Sample ID: **MW-6** Laboratory ID: **E909116-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **MW-7** Laboratory ID: **E909116-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **MW-8** Laboratory ID: **E909116-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**1.9**	1.0	ug/l	EPA 8260B	
Diesel (C12-C22)	**17000**	500	ug/l	LUFT GC	

Sample ID: **MW-9** Laboratory ID: **E909116-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Geochemistry Inc.

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Carlsbad, CA 92010
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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Sample ID: **MW-10** Laboratory ID: **E909116-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
n-Butylbenzene	**2.5**	1.0	ug/l	EPA 8260B	
Naphthalene	**13**	1.0	ug/l	EPA 8260B	
Diesel (C12-C22)	**130000**	500	ug/l	LUFT GC	
Motor Oil (C23-C32)	**2200**	1000	ug/l	LUFT GC	D-10
Gasoline (C5-C12)	**2700**	500	ug/l	LUFT GC	D-12

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Geochemistry Inc.

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (E909116-01) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

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Carlsbad, CA 92010
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760-804-9159 Fax

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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (E909116-01) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*91.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	

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Geochemistry Inc.

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Carlsbad, CA 92010
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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-2 (E909116-02) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-2 (E909116-02) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*		*75-125*	"	"	"	"	

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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-4 (E909116-03) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-4 (E909116-03) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*		*75-125*	"	"	"	"	

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Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-5 (E909116-04) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-5 (E909116-04) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*		*75-125*	"	"	"	"	

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Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-6 (E909116-05) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-6 (E909116-05) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*118 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-7 (E909116-06) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-7 (E909116-06) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-8 (E909116-07) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

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Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-8 (E909116-07) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	**1.9**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.9 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-9 (E909116-08) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-9 (E909116-08) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-10 (E909116-09) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Dichlorodifluoromethane (F12)	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-10 (E909116-09) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Bromoform	ND	1.0	ug/l	0.05	EJ90213	02-Oct-19	02-Oct-19	EPA 8260B	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**2.5**	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	**13**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*91.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.3 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Petroleum Hydrocarbon Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (E909116-01) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-2 (E909116-02) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-4 (E909116-03) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-5 (E909116-04) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	**5900**	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-6 (E909116-05) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-7 (E909116-06) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	

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C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Petroleum Hydrocarbon Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-8 (E909116-07) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	**17000**	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-9 (E909116-08) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	ND	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	
Diesel (C12-C22)	ND	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	ND	1000	"	"	"	"	"	"	
MW-10 (E909116-09) Water Sampled: 27-Sep-19 Received: 27-Sep-19									
Gasoline (C5-C12)	**2700**	500	ug/l	1	EJ90405	03-Oct-19	03-Oct-19	LUFT GC	D-12
Diesel (C12-C22)	**130000**	500	"	"	"	"	"	"	
Motor Oil (C23-C32)	**2200**	1000	"	"	"	"	"	"	D-10

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Blank (EJ90213-BLK1)				Prepared & Analyzed: 02-Oct-19						
Dichlorodifluoromethane (F12)	ND	1.0	ug/l							
Chloromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Bromomethane	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane (F11)	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride (Dichloromethane)	ND	1.0	"							
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane (EDC)	ND	1.0	"							
Benzene	ND	0.50	"							
Trichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Dibromomethane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
Toluene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Ethylbenzene	ND	0.50	"							

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Blank (EJ90213-BLK1)				Prepared & Analyzed: 02-Oct-19						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Styrene	ND	1.0	"							
Bromoform	ND	1.0	"							
Isopropylbenzene (Cumene)	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Bromobenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
Hexachlorobutadiene	ND	1.0	"							
Naphthalene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.55*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.49*		*"*	*2.50*		*99.5*	*62-139*			
Surrogate: Toluene-d8	*2.34*		*"*	*2.50*		*93.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.52*		*"*	*2.50*		*101*	*75-125*			

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
LCS (EJ90213-BS1)				Prepared & Analyzed: 02-Oct-19						
Dichlorodifluoromethane (F12)	3.6	1.0	ug/l	5.00		71.8	32-152			
Chloromethane	5.0	1.0	"	5.00		99.1	50-139			
Vinyl chloride	4.3	1.0	"	5.00		87.0	58-137			
Bromomethane	4.9	1.0	"	5.00		98.1	53-141			
Chloroethane	4.9	1.0	"	5.00		98.4	60-138			
Trichlorofluoromethane (F11)	4.8	1.0	"	5.00		96.6	65-141			
1,1-Dichloroethene	4.6	1.0	"	5.00		91.6	71-131			
Methylene chloride (Dichloromethane)	5.0	1.0	"	5.00		100	74-124			
Methyl tertiary-butyl ether (MTBE)	4.7	1.0	"	5.00		93.2	71-124			
trans-1,2-Dichloroethene	5.0	1.0	"	5.00		100	75-124			
1,1-Dichloroethane	4.7	1.0	"	5.00		94.4	77-125			
2,2-Dichloropropane	4.9	1.0	"	5.00		97.9	60-139			
cis-1,2-Dichloroethene	5.2	1.0	"	5.00		104	78-123			
Chloroform	5.0	1.0	"	5.00		99.9	79-124			
Bromochloromethane	5.3	1.0	"	5.00		106	78-123			
1,1,1-Trichloroethane	5.0	1.0	"	5.00		99.6	74-131			
1,1-Dichloropropene	4.8	1.0	"	5.00		95.4	79-125			
Carbon tetrachloride	4.9	1.0	"	5.00		98.8	72-136			
1,2-Dichloroethane (EDC)	4.9	1.0	"	5.00		98.1	73-128			
Benzene	5.0	0.50	"	5.00		99.2	79-120			
Trichloroethene	5.4	1.0	"	5.00		108	79-123			
1,2-Dichloropropane	4.7	1.0	"	5.00		93.6	78-122			
Bromodichloromethane	5.0	1.0	"	5.00		100	79-125			
Dibromomethane	4.9	1.0	"	5.00		97.6	79-123			
cis-1,3-Dichloropropene	4.9	1.0	"	5.00		98.3	75-124			
Toluene	5.0	0.50	"	5.00		99.0	80-121			
trans-1,3-Dichloropropene	5.0	1.0	"	5.00		99.2	73-127			
1,1,2-Trichloroethane	5.0	1.0	"	5.00		100	80-119			
1,2-Dibromoethane (EDB)	4.8	1.0	"	5.00		96.2	77-121			
1,3-Dichloropropane	4.7	1.0	"	5.00		94.2	80-119			
Tetrachloroethene	5.2	1.0	"	5.00		104	74-129			
Dibromochloromethane	4.9	1.0	"	5.00		98.6	74-126			
Chlorobenzene	5.3	1.0	"	5.00		105	82-118			
Ethylbenzene	5.2	0.50	"	5.00		104	79-121			

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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
LCS (EJ90213-BS1)				Prepared & Analyzed: 02-Oct-19						
1,1,1,2-Tetrachloroethane	5.4	1.0	ug/l	5.00		109	78-124			
m,p-Xylene	11	1.0	"	10.0		106	80-121			
o-Xylene	5.1	0.50	"	5.00		103	78-122			
Styrene	5.1	1.0	"	5.00		102	78-123			
Bromoform	5.4	1.0	"	5.00		108	66-130			
Isopropylbenzene (Cumene)	5.0	1.0	"	5.00		100	72-131			
1,1,2,2-Tetrachloroethane	4.3	1.0	"	5.00		85.0	71-121			
1,2,3-Trichloropropane	4.8	1.0	"	5.00		96.5	73-122			
n-Propylbenzene	4.9	1.0	"	5.00		97.4	76-123			
Bromobenzene	4.9	1.0	"	5.00		98.7	80-120			
1,3,5-Trimethylbenzene	5.0	1.0	"	5.00		99.7	75-124			
2-Chlorotoluene	4.8	1.0	"	5.00		96.5	79-122			
4-Chlorotoluene	5.1	1.0	"	5.00		103	78-122			
tert-Butylbenzene	4.7	1.0	"	5.00		93.3	78-124			
1,2,4-Trimethylbenzene	5.5	1.0	"	5.00		110	76-124			
sec-Butylbenzene	5.1	1.0	"	5.00		102	77-126			
p-Isopropyltoluene	5.7	1.0	"	5.00		115	77-127			
1,3-Dichlorobenzene	5.4	1.0	"	5.00		107	80-119			
1,4-Dichlorobenzene	5.2	1.0	"	5.00		103	79-118			
n-Butylbenzene	5.1	1.0	"	5.00		102	75-128			
1,2-Dichlorobenzene	5.0	1.0	"	5.00		100	80-119			
1,2-Dibromo-3-chloropropane	4.7	5.0	"	5.00		93.7	62-128			
1,2,4-Trichlorobenzene	4.9	1.0	"	5.00		98.9	69-130			
Hexachlorobutadiene	4.9	1.0	"	5.00		98.9	66-134			
Naphthalene	4.3	1.0	"	5.00		86.7	61-128			
1,2,3-Trichlorobenzene	5.1	1.0	"	5.00		102	69-129			
Surrogate: Dibromofluoromethane	*2.53*		*"*	*2.50*		*101*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.48*		*"*	*2.50*		*99.0*	*62-139*			
Surrogate: Toluene-d8	*2.52*		*"*	*2.50*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.48*		*"*	*2.50*		*99.3*	*75-125*			

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Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
LCS Dup (EJ90213-BSD1)				Prepared & Analyzed: 02-Oct-19						
Dichlorodifluoromethane (F12)	3.4	1.0	ug/l	5.00		67.9	32-152	5.61	20	
Chloromethane	4.6	1.0	"	5.00		91.5	50-139	8.01	20	
Vinyl chloride	4.1	1.0	"	5.00		82.3	58-137	5.54	20	
Bromomethane	4.9	1.0	"	5.00		98.5	53-141	0.387	20	
Chloroethane	4.8	1.0	"	5.00		95.2	60-138	3.35	20	
Trichlorofluoromethane (F11)	4.6	1.0	"	5.00		92.2	65-141	4.65	20	
1,1-Dichloroethene	4.5	1.0	"	5.00		90.6	71-131	1.12	20	
Methylene chloride (Dichloromethane)	4.9	1.0	"	5.00		97.5	74-124	2.82	20	
Methyl tertiary-butyl ether (MTBE)	4.9	1.0	"	5.00		98.0	71-124	4.99	20	
trans-1,2-Dichloroethene	4.9	1.0	"	5.00		98.0	75-124	2.18	20	
1,1-Dichloroethane	4.7	1.0	"	5.00		94.6	77-125	0.201	20	
2,2-Dichloropropane	5.0	1.0	"	5.00		99.2	60-139	1.26	20	
cis-1,2-Dichloroethene	5.1	1.0	"	5.00		101	78-123	2.50	20	
Chloroform	5.0	1.0	"	5.00		100	79-124	0.449	20	
Bromochloromethane	5.1	1.0	"	5.00		102	78-123	3.83	20	
1,1,1-Trichloroethane	4.9	1.0	"	5.00		97.7	74-131	1.97	20	
1,1-Dichloropropene	4.9	1.0	"	5.00		97.6	79-125	2.25	20	
Carbon tetrachloride	5.0	1.0	"	5.00		99.6	72-136	0.786	20	
1,2-Dichloroethane (EDC)	5.0	1.0	"	5.00		99.6	73-128	1.55	20	
Benzene	4.8	0.50	"	5.00		96.4	79-120	2.92	20	
Trichloroethene	5.2	1.0	"	5.00		104	79-123	3.47	20	
1,2-Dichloropropane	4.8	1.0	"	5.00		96.8	78-122	3.47	20	
Bromodichloromethane	5.2	1.0	"	5.00		104	79-125	3.17	20	
Dibromomethane	5.0	1.0	"	5.00		100	79-123	2.61	20	
cis-1,3-Dichloropropene	4.8	1.0	"	5.00		96.4	75-124	1.99	20	
Toluene	4.9	0.50	"	5.00		97.2	80-121	1.81	20	
trans-1,3-Dichloropropene	5.2	1.0	"	5.00		103	73-127	4.00	20	
1,1,2-Trichloroethane	5.1	1.0	"	5.00		102	80-119	1.93	20	
1,2-Dibromoethane (EDB)	5.1	1.0	"	5.00		103	77-121	6.61	20	
1,3-Dichloropropane	4.7	1.0	"	5.00		93.3	80-119	0.992	20	
Tetrachloroethene	5.1	1.0	"	5.00		102	74-129	2.59	20	
Dibromochloromethane	5.3	1.0	"	5.00		106	74-126	6.98	20	
Chlorobenzene	5.1	1.0	"	5.00		102	82-118	3.30	20	
Ethylbenzene	5.0	0.50	"	5.00		101	79-121	3.06	20	

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Carlsbad, CA 92010
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Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
LCS Dup (EJ90213-BSD1)				Prepared & Analyzed: 02-Oct-19						
1,1,1,2-Tetrachloroethane	5.6	1.0	ug/l	5.00		111	78-124	2.27	20	
m,p-Xylene	10	1.0	"	10.0		102	80-121	3.36	20	
o-Xylene	4.9	0.50	"	5.00		98.2	78-122	4.71	20	
Styrene	5.0	1.0	"	5.00		101	78-123	1.09	20	
Bromoform	5.4	1.0	"	5.00		109	66-130	0.822	20	
Isopropylbenzene (Cumene)	4.9	1.0	"	5.00		98.6	72-131	1.39	20	
1,1,2,2-Tetrachloroethane	4.3	1.0	"	5.00		85.1	71-121	0.0588	20	
1,2,3-Trichloropropane	4.7	1.0	"	5.00		94.3	73-122	2.30	20	
n-Propylbenzene	4.8	1.0	"	5.00		96.0	76-123	1.40	20	
Bromobenzene	5.1	1.0	"	5.00		101	80-120	2.64	20	
1,3,5-Trimethylbenzene	5.1	1.0	"	5.00		101	75-124	1.59	20	
2-Chlorotoluene	4.9	1.0	"	5.00		97.1	79-122	0.640	20	
4-Chlorotoluene	5.3	1.0	"	5.00		105	78-122	2.32	20	
tert-Butylbenzene	5.3	1.0	"	5.00		106	78-124	12.6	20	
1,2,4-Trimethylbenzene	5.5	1.0	"	5.00		109	76-124	0.810	20	
sec-Butylbenzene	5.2	1.0	"	5.00		104	77-126	2.62	20	
p-Isopropyltoluene	5.7	1.0	"	5.00		114	77-127	1.04	20	
1,3-Dichlorobenzene	5.2	1.0	"	5.00		104	80-119	2.68	20	
1,4-Dichlorobenzene	5.1	1.0	"	5.00		102	79-118	1.00	20	
n-Butylbenzene	5.2	1.0	"	5.00		105	75-128	3.13	20	
1,2-Dichlorobenzene	5.2	1.0	"	5.00		103	80-119	3.03	20	
1,2-Dibromo-3-chloropropane	5.3	5.0	"	5.00		106	62-128	12.8	20	
1,2,4-Trichlorobenzene	5.2	1.0	"	5.00		104	69-130	5.03	20	
Hexachlorobutadiene	5.0	1.0	"	5.00		99.3	66-134	0.373	20	
Naphthalene	4.8	1.0	"	5.00		96.2	61-128	10.4	20	
1,2,3-Trichlorobenzene	5.5	1.0	"	5.00		110	69-129	7.53	20	
Surrogate: Dibromofluoromethane	*2.66*		*"*	*2.50*		*106*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*"*	*2.50*		*98.9*	*62-139*			
Surrogate: Toluene-d8	*2.55*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.43*		*"*	*2.50*		*97.3*	*75-125*			

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Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
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C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Matrix Spike (EJ90213-MS1)	**Source: E909116-01**			Prepared & Analyzed: 02-Oct-19						
Dichlorodifluoromethane (F12)	2.8	1.0	ug/l	5.00	ND	56.7	32-152			
Chloromethane	2.2	1.0	"	5.00	ND	44.1	50-139			QM-05
Vinyl chloride	2.6	1.0	"	5.00	ND	51.8	58-137			QM-05
Bromomethane	0.27	1.0	"	5.00	ND	5.31	53-141			QM-05
Chloroethane	3.6	1.0	"	5.00	ND	72.2	60-138			
Trichlorofluoromethane (F11)	3.9	1.0	"	5.00	ND	78.5	65-141			
1,1-Dichloroethene	4.4	1.0	"	5.00	ND	87.5	71-131			
Methylene chloride (Dichloromethane)	4.6	1.0	"	5.00	ND	91.6	74-124			
Methyl tertiary-butyl ether (MTBE)	5.1	1.0	"	5.00	ND	101	71-124			
trans-1,2-Dichloroethene	4.7	1.0	"	5.00	ND	94.9	75-124			
1,1-Dichloroethane	4.6	1.0	"	5.00	ND	92.6	77-125			
2,2-Dichloropropane	5.2	1.0	"	5.00	ND	103	60-139			
cis-1,2-Dichloroethene	4.7	1.0	"	5.00	ND	93.2	78-123			
Chloroform	5.0	1.0	"	5.00	ND	101	79-124			
Bromochloromethane	3.4	1.0	"	5.00	ND	67.6	78-123			QM-05
1,1,1-Trichloroethane	5.1	1.0	"	5.00	ND	102	74-131			
1,1-Dichloropropene	5.0	1.0	"	5.00	ND	101	79-125			
Carbon tetrachloride	4.8	1.0	"	5.00	ND	96.3	72-136			
1,2-Dichloroethane (EDC)	5.1	1.0	"	5.00	ND	102	73-128			
Benzene	4.7	0.50	"	5.00	ND	93.8	79-120			
Trichloroethene	5.0	1.0	"	5.00	ND	101	79-123			
1,2-Dichloropropane	4.8	1.0	"	5.00	ND	95.5	78-122			
Bromodichloromethane	5.3	1.0	"	5.00	ND	105	79-125			
Dibromomethane	4.4	1.0	"	5.00	ND	88.9	79-123			
cis-1,3-Dichloropropene	4.6	1.0	"	5.00	ND	91.4	75-124			
Toluene	4.7	0.50	"	5.00	ND	94.9	80-121			
trans-1,3-Dichloropropene	4.7	1.0	"	5.00	ND	93.3	73-127			
1,1,2-Trichloroethane	4.8	1.0	"	5.00	ND	96.9	80-119			
1,2-Dibromoethane (EDB)	4.9	1.0	"	5.00	ND	97.6	77-121			
1,3-Dichloropropane	4.5	1.0	"	5.00	ND	90.1	80-119			
Tetrachloroethene	4.4	1.0	"	5.00	ND	88.8	74-129			
Dibromochloromethane	4.6	1.0	"	5.00	ND	92.8	74-126			
Chlorobenzene	4.7	1.0	"	5.00	ND	94.9	82-118			
Ethylbenzene	4.8	0.50	"	5.00	ND	95.3	79-121			

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Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

C. James & Associates, Inc.	Project: CJ092719-11	
PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Matrix Spike (EJ90213-MS1)	**Source: E909116-01**			Prepared & Analyzed: 02-Oct-19						
1,1,1,2-Tetrachloroethane	4.8	1.0	ug/l	5.00	ND	95.0	78-124			
m,p-Xylene	9.4	1.0	"	10.0	ND	94.0	80-121			
o-Xylene	4.5	0.50	"	5.00	ND	89.9	78-122			
Styrene	4.4	1.0	"	5.00	ND	88.6	78-123			
Bromoform	4.4	1.0	"	5.00	ND	87.8	66-130			
Isopropylbenzene (Cumene)	5.4	1.0	"	5.00	ND	107	72-131			
1,1,2,2-Tetrachloroethane	5.5	1.0	"	5.00	ND	109	71-121			
1,2,3-Trichloropropane	5.2	1.0	"	5.00	ND	103	73-122			
n-Propylbenzene	5.2	1.0	"	5.00	ND	103	76-126			
Bromobenzene	5.0	1.0	"	5.00	ND	101	80-120			
1,3,5-Trimethylbenzene	5.3	1.0	"	5.00	ND	106	75-124			
2-Chlorotoluene	5.2	1.0	"	5.00	ND	104	79-122			
4-Chlorotoluene	5.5	1.0	"	5.00	ND	110	78-122			
tert-Butylbenzene	5.1	1.0	"	5.00	ND	102	78-124			
1,2,4-Trimethylbenzene	5.8	1.0	"	5.00	ND	115	76-124			
sec-Butylbenzene	5.3	1.0	"	5.00	ND	106	77-126			
p-Isopropyltoluene	6.0	1.0	"	5.00	ND	119	77-127			
1,3-Dichlorobenzene	5.0	1.0	"	5.00	ND	101	80-119			
1,4-Dichlorobenzene	5.0	1.0	"	5.00	ND	101	79-118			
n-Butylbenzene	5.3	1.0	"	5.00	ND	106	75-128			
1,2-Dichlorobenzene	4.9	1.0	"	5.00	ND	97.3	80-119			
1,2-Dibromo-3-chloropropane	5.4	5.0	"	5.00	ND	108	62-128			
1,2,4-Trichlorobenzene	5.0	1.0	"	5.00	ND	100	69-130			
Hexachlorobutadiene	5.0	1.0	"	5.00	ND	101	66-134			
Naphthalene	5.3	1.0	"	5.00	ND	106	61-128			
1,2,3-Trichlorobenzene	5.1	1.0	"	5.00	ND	102	69-129			
Surrogate: Dibromofluoromethane	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.49*		*"*	*2.50*		*99.5*	*62-139*			
Surrogate: Toluene-d8	*2.43*		*"*	*2.50*		*97.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.50*		*"*	*2.50*		*99.8*	*75-125*			

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2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Matrix Spike Dup (EJ90213-MSD1)	**Source: E909116-01**			Prepared & Analyzed: 02-Oct-19						
Dichlorodifluoromethane (F12)	2.7	1.0	ug/l	5.00	ND	54.7	32-152	3.56	20	
Chloromethane	2.1	1.0	"	5.00	ND	41.6	50-139	5.98	20	QM-05
Vinyl chloride	2.7	1.0	"	5.00	ND	53.4	58-137	3.02	20	QM-05
Bromomethane	0.45	1.0	"	5.00	ND	8.91	53-141	50.6	20	QR-03, QM-05
Chloroethane	3.5	1.0	"	5.00	ND	70.1	60-138	2.98	20	
Trichlorofluoromethane (F11)	3.9	1.0	"	5.00	ND	78.8	65-141	0.331	20	
1,1-Dichloroethene	4.6	1.0	"	5.00	ND	91.5	71-131	4.46	20	
Methylene chloride (Dichloromethane)	4.9	1.0	"	5.00	ND	97.9	74-124	6.69	20	
Methyl tertiary-butyl ether (MTBE)	5.8	1.0	"	5.00	ND	116	71-124	13.4	20	
trans-1,2-Dichloroethene	4.8	1.0	"	5.00	ND	96.8	75-124	1.94	20	
1,1-Dichloroethane	4.8	1.0	"	5.00	ND	95.7	77-125	3.23	20	
2,2-Dichloropropane	5.3	1.0	"	5.00	ND	106	60-139	2.50	20	
cis-1,2-Dichloroethene	4.8	1.0	"	5.00	ND	96.4	78-123	3.36	20	
Chloroform	5.3	1.0	"	5.00	ND	106	79-124	4.98	20	
Bromochloromethane	3.9	1.0	"	5.00	ND	78.5	78-123	14.9	20	
1,1,1-Trichloroethane	5.2	1.0	"	5.00	ND	104	74-131	1.94	20	
1,1-Dichloropropene	5.0	1.0	"	5.00	ND	100	79-125	0.726	20	
Carbon tetrachloride	5.0	1.0	"	5.00	ND	101	72-136	4.35	20	
1,2-Dichloroethane (EDC)	5.6	1.0	"	5.00	ND	112	73-128	9.40	20	
Benzene	5.0	0.50	"	5.00	ND	99.6	79-120	6.05	20	
Trichloroethene	5.2	1.0	"	5.00	ND	103	79-123	2.11	20	
1,2-Dichloropropane	5.0	1.0	"	5.00	ND	99.7	78-122	4.29	20	
Bromodichloromethane	5.6	1.0	"	5.00	ND	111	79-125	5.66	20	
Dibromomethane	5.2	1.0	"	5.00	ND	105	79-123	16.2	20	
cis-1,3-Dichloropropene	5.1	1.0	"	5.00	ND	102	75-124	10.8	20	
Toluene	4.9	0.50	"	5.00	ND	97.3	80-121	2.51	20	
trans-1,3-Dichloropropene	5.3	1.0	"	5.00	ND	106	73-127	12.8	20	
1,1,2-Trichloroethane	5.2	1.0	"	5.00	ND	104	80-119	6.71	20	
1,2-Dibromoethane (EDB)	5.3	1.0	"	5.00	ND	106	77-121	7.78	20	
1,3-Dichloropropane	5.0	1.0	"	5.00	ND	101	80-119	11.3	20	
Tetrachloroethene	4.8	1.0	"	5.00	ND	95.1	74-129	6.86	20	
Dibromochloromethane	5.3	1.0	"	5.00	ND	106	74-126	13.3	20	
Chlorobenzene	5.2	1.0	"	5.00	ND	104	82-118	9.65	20	

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Volatile Organic Compounds by EPA Method 5030/8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90213 - EPA 5030										
Matrix Spike Dup (EJ90213-MSD1)	**Source: E909116-01**			Prepared & Analyzed: 02-Oct-19						
Ethylbenzene	5.2	0.50	ug/l	5.00	ND	105	79-121	9.27	20	
1,1,1,2-Tetrachloroethane	5.5	1.0	"	5.00	ND	111	78-124	15.3	20	
m,p-Xylene	11	1.0	"	10.0	ND	106	80-121	11.8	20	
o-Xylene	5.2	0.50	"	5.00	ND	104	78-122	14.2	20	
Styrene	3.8	1.0	"	5.00	ND	76.0	78-123	15.3	20	QM-05
Bromoform	5.4	1.0	"	5.00	ND	107	66-130	20.1	20	QR-03
Isopropylbenzene (Cumene)	5.4	1.0	"	5.00	ND	108	72-131	1.00	20	
1,1,2,2-Tetrachloroethane	5.9	1.0	"	5.00	ND	117	71-121	7.28	20	
1,2,3-Trichloropropane	5.4	1.0	"	5.00	ND	108	73-122	4.71	20	
n-Propylbenzene	5.2	1.0	"	5.00	ND	104	76-126	0.956	20	
Bromobenzene	5.3	1.0	"	5.00	ND	106	80-120	4.61	20	
1,3,5-Trimethylbenzene	5.4	1.0	"	5.00	ND	108	75-124	2.00	20	
2-Chlorotoluene	5.4	1.0	"	5.00	ND	107	79-122	2.39	20	
4-Chlorotoluene	5.7	1.0	"	5.00	ND	113	78-122	2.97	20	
tert-Butylbenzene	5.5	1.0	"	5.00	ND	110	78-124	7.98	20	
1,2,4-Trimethylbenzene	5.8	1.0	"	5.00	ND	115	76-124	0.104	20	
sec-Butylbenzene	5.4	1.0	"	5.00	ND	107	77-126	1.15	20	
p-Isopropyltoluene	5.8	1.0	"	5.00	ND	117	77-127	1.86	20	
1,3-Dichlorobenzene	5.3	1.0	"	5.00	ND	105	80-119	4.32	20	
1,4-Dichlorobenzene	5.2	1.0	"	5.00	ND	105	79-118	3.97	20	
n-Butylbenzene	5.4	1.0	"	5.00	ND	109	75-128	1.92	20	
1,2-Dichlorobenzene	5.3	1.0	"	5.00	ND	106	80-119	8.89	20	
1,2-Dibromo-3-chloropropane	6.1	5.0	"	5.00	ND	121	62-128	11.9	20	
1,2,4-Trichlorobenzene	5.4	1.0	"	5.00	ND	108	69-130	7.67	20	
Hexachlorobutadiene	4.8	1.0	"	5.00	ND	97.0	66-134	3.92	20	
Naphthalene	5.5	1.0	"	5.00	ND	111	61-128	4.04	20	
1,2,3-Trichlorobenzene	5.4	1.0	"	5.00	ND	109	69-129	6.95	20	
Surrogate: Dibromofluoromethane	*2.62*		*"*	*2.50*		*105*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		*"*	*2.50*		*106*	*62-139*			
Surrogate: Toluene-d8	*2.44*		*"*	*2.50*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.54*		*"*	*2.50*		*102*	*75-125*			

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PO Box 4832	Project Number: 01085/ Fountain Valley Medical	Reported:
Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Petroleum Hydrocarbon Analysis - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ90405 - GC										
Blank (EJ90405-BLK1)				Prepared & Analyzed: 03-Oct-19						
Diesel (C12-C22)	ND	500	ug/l							
Motor Oil (C23-C32)	ND	1000	"							
Gasoline (C5-C12)	ND	500	"							
Matrix Spike (EJ90405-MS1)		**Source: E909116-03**		Prepared & Analyzed: 03-Oct-19						
Diesel (C12-C22)	6370	500	ug/l	7500	ND	84.9	75-125			
Gasoline (C5-C12)	2600	500	"	3000	ND	86.8	75-125			
Matrix Spike Dup (EJ90405-MSD1)		**Source: E909116-03**		Prepared & Analyzed: 03-Oct-19						
Diesel (C12-C22)	7470	500	ug/l	7500	ND	99.6	75-125	15.9	30	
Gasoline (C5-C12)	2400	500	"	3000	ND	80.1	75-125	8.07	30	

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Oceanside, CA 92052-4832	Project Manager: Michael Anselmo	09-Oct-19 10:35

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
D-12	Results in the gasoline range are primarily due to overlap from a diesel range product.
D-10	The heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

SOIL / WATER Chain of Custody

DATE: 09/27/19
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: C. James St Associates Inc	Project Name/#: Palm Valley Medical / 01085
Lab Client Project Manager: M. Miscimo	Project Location: 1100 Euclid
Lab Client Address: PO Box 4832	Report E-Mail(s): Cjames.inc@reagan.com
Lab Client City, State, Zip: Oceanside, CA 92052	
Phone Number: 760-722-0050	

Sample Receipt (Lab Use Only)

Date Rec'd: 9/27/19	Control #: 190865.00
H&P Project #: J092719-11	
Lab Work Order #: E909116	
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below	
Custody Seal Intact: ☐ Yes ☐ No	Temp: 5°
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: KB	

Reporting Requirements

- ☑ Standard Report ☐ Level III ☐ Level IV
- ☐ Excel EDD ☐ Other EDD:
- ☑ CA Geotracker Global ID: T0605900090

Turnaround Time

- ☑ 5-7 day Stnd ☐ 24-Hr Rush
- ☐ 3-day Rush ☐ Mobile Lab
- ☐ 48-Hr Rush ☐ Other:

Sampler Information

- Sampler(s): Garrett Graves
- Signature:
- Date: 9-27-19

Additional Instructions to Laboratory: CARBON CHAIN
INCLUDE NAPTHALENE -

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	MATRIX: SOIL or WATER	CONTAINER SIZE & TYPE	# OF CONTAINERS	Preservative	8260B VOCs Standard Full List (Note: Oxygenates not included)	8260B ☐ Oxygenates ☐ MTBE only	8260B VOCs Short List ☐ BTEX ☐ Naphthalene	8260B VOC Short List, Other* *Indicate in additional instructions	LUFT GC/MS TPH Gas only	LUFT TPH ☐ Gas ☑ Diesel ☑ Extended
MW-1		09/27/19	10:00	WATER	VOA	6	HCl	✓					✓
MW-2			09:45										
MW-4			09:30										
MW-5			08:40										
MW-6			08:10										
MW-7			08:55										
MW-8			09:09										
MW-9			07:50										
MW-10			08:25										

Approved/Relinquished by:	Company: BTS	Date: 9-27-19	Time: 1225	Received by:	Company: C. James	Date: 09/27/19	Time: 10:25
Approved/Relinquished by: C. James	Company:	Date: 9-27-19	Time: 12:34	Received by: James LaRoy	Company: HP	Date: 9/27/19	Time: 1234
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back